

# Onderwijs- en Examenregeling 2023/2024 voor de masteropleidingen:

Accountancy  
Business Analytics and Operations Research  
Econometrics and Mathematical Economics  
Economics  
Finance  
Fiscale Economie  
Information Management  
International Management  
Marketing Management  
Marketing Analytics  
Quantitative Finance and Actuarial Science  
Strategic Management  
Supply Chain Management

# Education and Examination Regulations 2023/2024 for the Master's programs:

Accountancy  
Business Analytics and Operations Research  
Econometrics and Mathematical Economics  
Economics  
Finance  
Tax Economics  
Information Management  
International Management  
Marketing Management  
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Quantitative Finance and Actuarial Science  
Strategic Management  
Supply Chain Management

*This is a translation of the Dutch EER for Master's programs TiSEM*

<b>INHOUDSOPGAVE</b>	<b>INDEX</b>
<b>Hoofdstuk 1 ALGEMENE BEPALINGEN.....</b>	<b>Chapter 1 GENERAL PROVISIONS .....</b>
Art. 1.1 Toepassingsgebied.....	Art. 1.1 Scope .....
Art. 1.2 Begripsomschrijvingen .....	Art. 1.2 Definition of terms .....
<b>Hoofdstuk 2 VOOROPLEIDING EN TOELATING.....</b>	<b>Chapter 2 PREVIOUS EDUCATION AND ADMISSION .....</b>
Art. 2.1 Vooropleiding .....	Art. 2.1 Previous education .....
Art. 2.2 Taalvereisten .....	Art. 2.2 Language requirements .....
Art. 2.3 Instroommoment .....	Art. 2.3 Start Dates .....
Art. 2.4 Indienen van toelatingsverzoek .....	Art. 2.4 Submission of application .....
Art. 2.5 Inschrijving .....	Art. 2.5 Enrollment .....
<b>Hoofdstuk 3 OPBOUW VAN DE OPLEIDING .....</b>	<b>Chapter 3 STRUCTURE OF THE PROGRAM .....</b>
Art. 3.1 Doel van de opleidingen .....	Art. 3.1 Aim of the program .....
Art. 3.2 Eindkwalificaties .....	Art. 3.2 Final qualifications .....
Art. 3.3 Inrichting van de opleiding .....	Art. 3.3 Program Design .....
Art. 3.4 Studielast .....	Art. 3.4 Study load .....
Art. 3.5 Jaarindeling .....	Art. 3.5 Academic Calendar .....
Art. 3.6 Voertaal .....	Art. 3.6 Language of instruction .....
Art. 3.7 Programmaopbouw .....	Art. 3.7 Program structure .....
Art. 3.8 Keuzeruimte .....	Art. 3.8 Choice of electives .....
Art. 3.9 Tentamengelegenheid .....	Art. 3.9 Examinations .....
Art. 3.10 Verplichte volgorde .....	Art. 3.10 Admission rules within the program .....
Art. 3.11 Vorm van de tentamens .....	Art. 3.11 Form of the examinations .....
Art. 3.12 Vaststelling van de uitslag .....	Art. 3.12 Determination of the result .....
Art. 3.13 Geldigheidsduur .....	Art. 3.13 Period of validity .....
Art. 3.14 Inzagerecht .....	Art. 3.14 Right of inspection .....
Art. 3.15 Vrijstelling van tentamen .....	Art. 3.15 Exemption from an examination .....

<i>Art. 3.16 vervanging van verplichte vakken</i> .....	27	<i>Art. 3.16 Replacement of compulsory courses</i> .....	27
<i>Art. 3.17 Examen</i> .....	27	<i>Art. 3.17 Final examinations</i> .....	27
<i>Art. 3.18 Graad</i> .....	28	<i>Art. 3.18 Degree</i> .....	28
<i>Art. 3.19 Laatste vak</i> .....	28	<i>Art. 3.19 Last course</i> .....	28
<i>Art. 3.20 Ongeldigverklaring</i> .....	29	<i>Art. 3.20 Invalidation</i> .....	29
<i>Art. 3.21 Laatste kans regeling</i> .....	29	<i>Art. 3.21 Last chance regulation</i> .....	29
<b>Hoofdstuk 4 STUDIEBEGELEIDING</b> .....	<b>31</b>	<b>Chapter 4 STUDENT COUNSELING</b> .....	<b>31</b>
<i>Art. 4.1 Studievoortgangsadministratie</i> .....	31	<i>Art. 4.1 Student progress administration</i> .....	31
<i>Art. 4.2 Studiebegeleiding</i> .....	31	<i>Art. 4.2 Student counseling</i> .....	31
<i>Art. 4.3 Studeren met een functiebeperking</i> .....	31	<i>Art. 4.3 Studying with a physical or mentor disability</i> .....	31
<i>Art. 4.4 Studeren en talentstatus</i> .....	32	<i>Art. 4.4 Studying and talent status</i> .....	32
<b>Hoofdstuk 5 OVERGANGSBEPALINGEN</b> .....	<b>33</b>	<b>Chapter 5 TRANSITIONAL PROVISIONS</b> .....	<b>33</b>
<i>Art. 5.1 Vervangende eisen</i> .....	33	<i>Art. 5.1 Alternative requirements</i> .....	33
<b>Hoofdstuk 6 SLOTBEPALINGEN</b> .....	<b>34</b>	<b>Chapter 6 FINAL PROVISIONS</b> .....	<b>34</b>
<i>Art. 6.1 Algemene hardheidsclausule</i> .....	34	<i>Art. 6.1 General hardship clause</i> .....	34
<i>Art. 6.2 Rechtsbescherming</i> .....	34	<i>Art. 6.2 Legal protection</i> .....	34
<i>Art. 6.3 Wijzigingen</i> .....	34	<i>Art. 6.3 Amendments</i> .....	34
<i>Art. 6.4 Bekendmaking</i> .....	34	<i>Art. 6.4 Publication</i> .....	34
<i>Art. 6.5 Inwerkingtreding</i> .....	35	<i>Art. 6.5 Entry into force</i> .....	35
<b>Bijlage 1 SAMENSTELLING VAN DE OPLEIDINGEN</b> .....	<b>36</b>	<b>Appendix 1 COMPOSITION OF THE PROGRAMS</b> .....	<b>36</b>
<i>MSc Accountancy</i> .....	36	<i>MSc Accountancy</i> .....	36
<i>MSc BAOR</i> .....	37	<i>MSc BAOR</i> .....	37
<i>MSc Economics</i> .....	38	<i>MSc Economics</i> .....	38
<i>MSc EME</i> .....	40	<i>MSc EME</i> .....	40
<i>MSc Fiscale Economie</i> .....	41	<i>MSc Tax Economics</i> .....	41
<i>MSc Finance</i> .....	42	<i>MSc Finance</i> .....	42
<i>MSc Information Management</i> .....	44	<i>MSc Information Management</i> .....	44

<i>MSc International Management</i> .....	45	<i>MSc International Management</i> .....	45
<i>MSc Marketing Analytics</i> .....	46	<i>MSc Marketing Analytics</i> .....	46
<i>MSc Marketing Management</i> .....	48	<i>MSc Marketing Management</i> .....	48
<i>MSc QFAS</i> .....	50	<i>MSc QFAS</i> .....	50
<i>MSc Strategic Management - SC</i> .....	51	<i>MSc Strategic Management SC</i> .....	51
<i>MSc Strategic Management - E</i> .....	52	<i>MSc Strategic Management E</i> .....	52
<i>MSc Supply Chain Management</i> .....	53	<i>MSc Supply Chain Management</i> .....	53
<b>Bijlage 2 DOUBLE DEGREES .....</b>	<b>55</b>	<b>Appendix 2 DOUBLE DEGREES.....</b>	<b>55</b>
<i>IMMIT</i> .....	56	<i>IMMIT</i> .....	56
<i>ITEM</i> .....	57	<i>ITEM</i> .....	57
<i>Andere double degrees</i> .....	58	<i>Other double degrees</i> .....	58
<b>Bijlage 3 INGANGSEISEN MASTER.....</b>	<b>59</b>	<b>Appendix 3 ENTRY REQUIREMENTS MASTER.....</b>	<b>59</b>
Ingangseisen QFAS/EME .....	61	Entry requirements QFAS/EME.....	61
Ingangseisen BAOR .....	62	Entry Requirements BAOR .....	62
<b>Bijlage 4 INTENDED LEARNING OUTCOMES.....</b>	<b>63</b>	<b>Appendix 4 INTENDED LEARNING OUTCOMES.....</b>	<b>63</b>
<b>Bijlage 5 OVERGANGSREGELINGEN.....</b>	<b>76</b>	<b>Appendix 5 TRANSITION RULES.....</b>	<b>76</b>

## HOOFDSTUK 1 ALGEMENE BEPALINGEN

### **Titel 1 Definities**

#### *Artikel 1.1 Toepassingsgebied*

Deze regeling is van toepassing op het onderwijs en de examens van de masteropleidingen:

- Accountancy
- Business Analytics and Operations Research
- Econometrics and Mathematical Economics
- Economics
- Finance
- Fiscale Economie
- Information Management
- International Management
- Marketing Management
- Marketing Analytics
- Quantitative Finance and Actuarial Science
- Strategic Management
- Supply Chain Management

hierna te noemen: de opleiding. De opleiding wordt verzorgd door de Tilburg School of Economics and Management (TiSEM) van Tilburg University, hierna te noemen: de School.

Bij onduidelijkheid over de betekenis van een bepaling in de onderhavige regels en richtlijnen, prevaleert de Nederlandstalige tekst.

Examinatoren en studenten worden geacht op de hoogte te zijn van de onderhavige Onderwijs- en Examenregeling.

## CHAPTER 1

## GENERAL PROVISIONS

### **Title 1**

#### *Article 1.1*

### **Definitions**

#### *Scope*

These regulations apply to the education and the examinations for the Master's degree programs in:

- Accountancy
- Business Analytics and Operations Research
- Econometrics and Mathematical Economics
- Economics
- Finance
- Tax Economics
- Information Management
- International Management
- Marketing Management
- Marketing Analytics
- Quantitative Finance and Actuarial Science
- Strategic Management
- Supply Chain Management

henceforth referred to as: the program. The program is provided by the Tilburg School of Economics and Management of Tilburg University, henceforth referred to as the School.

The Dutch text prevails in case of uncertainty about the meaning of a provision in the present rules and guidelines.

Examiners and students are expected to know these Education and Examination Regulations.

Artikel 1.2	Begripsomschrijvingen	Article 1.2	Definition of terms
<p>1. De in deze regeling voorkomende begrippen hebben, indien die begrippen ook voorkomen in de Wet op het hoger onderwijs en wetenschappelijk onderzoek (WHW) de betekenis die de wet eraan geeft.</p> <p>2. In deze regeling wordt verstaan onder:</p> <ul style="list-style-type: none"> <li>a. de wet: de Wet op het hoger onderwijs en wetenschappelijk onderzoek (WHW);</li> <li>b. student: degene die is ingeschreven aan de universiteit voor het volgen van onderwijs en/of het afleggen van de toetsen en het examen van een of meerdere opleidingen;</li> <li>c. vak: een onderwijsseenheid van een opleiding in de zin van artikel 7.3 tweede lid van de wet;</li> <li>d. double Degree: een opleiding van Tilburg University en een partneruniversiteit gezamenlijk, waarmee geselecteerde studenten na een succesvolle afronding van het programma een diploma van beide instellingen kunnen behalen;</li> <li>e. examen: de verzameling met goed gevolg afgelegde toetsen van de tot een opleiding behorende vakken, eventueel aangevuld met een onderzoek van door de examencommissie aangewezen examinatoren naar kennis, inzicht en vaardigheden van de student;</li> <li>f. examencommissie: een door het instellingsbestuur aangestelde commissie in de zin van artikel 7.12 van de wet;</li> <li>g. examinandus: degene die deelneemt aan een toets, tentamen of examen;</li> <li>h. examinator: het personeelslid dan wel een externe expert onder wiens verantwoordelijkheid binnen een vak toetsen en/of tentamens worden afgenoem. De examinator is als zodanig aangewezen door de examencommissie. De examinator is in beginsel minimaal gepromoveerd en in het bezit van een Basis Kwalificatie Onderwijs. Voor een thesisbegeleider dan wel thesisbeoordelaar geldt dat deze kan worden aangesteld als examinator voor de betreffende thesis in beginsel indien hij/zij minimaal is gepromoveerd en/of in het bezit is van een Basis Kwalificatie Onderwijs;</li> <li>i. tussentoets: een deelonderzoek naar de kennis, het inzicht en de vaardigheden op het gebied van een onderdeel, alsmede de beoordeling van de resultaten van het deelonderzoek. Een tussentoets kan schriftelijk of mondelijk worden afgenoem van</li> </ul>	<p>1. Terms that appear both in these Regulations and in the Dutch Higher Education and Research Act (HERA) will have the meaning given to them in the Act.</p> <p>2. The following definitions apply in these Regulations:</p> <ul style="list-style-type: none"> <li>a. the Act: the Dutch Higher Education and Research Act (HERA);</li> <li>b. student: a person who is enrolled at the university with a view to receiving instruction and/or taking the examinations and the final examination for one or more programs;</li> <li>c. course: an educational unit within a program in the meaning of Article 7.3, paragraph 2 of the Act;</li> <li>d. double Degree: a program provided jointly by Tilburg University and a partner university, which allows selected students to obtain a diploma from both institutions after successfully completing the program;</li> <li>e. final examination: the totality of examinations passed within a degree program, if necessary supplemented by an investigation of the student's knowledge, insight, and skills, conducted by examiners appointed by the Examination Board;</li> <li>f. Examination Board: a committee appointed by the Executive Board within the meaning of Article 7.12 of the Act;</li> <li>g. examinee: a person who participates in a test, examination, or final examination;</li> <li>h. examiner: a member of staff or an external expert under whose responsibility tests and/or examinations within a course are held. The examiner is appointed in this capacity by the Examination Board. The examiner holds in principle at least a PhD and a University Teaching Qualification. A thesis supervisor or thesis assessor can be appointed as examiner for the respective thesis in principle if he/she holds at least a PhD and/or a University Teaching Qualification;</li> <li>i. interim test: a partial appraisal of the student's knowledge, insight, and skills for part of a particular course and the assessment of the results of that appraisal. An interim test may be conducted orally or in writing and may consist of a practical exercise;</li> <li>j. examination opportunity: the appraisal of the knowledge, insight and skills of the student in an area covered by a course and the assessment of the results of that appraisal. An examination may be conducted (digital) orally or in writing and may consist of several</li> </ul>		

<p>bestaan uit een praktische oefening;</p> <p>j. tentamengelegenheid: een onderzoek naar de kennis, het inzicht en de vaardigheden van de student op het gebied van een onderdeel, alsmede de beoordeling van de resultaten van dat onderzoek. Een tentamen kan (digitaal) schriftelijk of mondelijk worden afgenoemt en bestaat uit een verzameling praktische oefeningen. Een tentamen kan bestaan uit een aantal verschillende (tussen)toetsen, welke zowel op de universiteit (on campus) dan wel buiten de universiteit (off campus) kunnen worden afgenoemt, online dan wel offline. Per academisch jaar worden in beginsel twee gelegenheden geboden om een vak af te ronden;</p> <p>k. herkansing: tentamenpoging ter afronding van of ter verkrijging van een hoger cijfer voor een vak waarvoor eerder in het curriculum een eerste poging is geboden;</p> <p>l. surveillant: een examinator dan wel een onder verantwoordelijkheid van de examencommissie aangestelde persoon aanwezig tijdens toetsen/tentamens met het doel toezicht te houden op ordentelijk en correct verloop van een toets of tentamen;</p> <p>m. onderwijsperiode: de periode waarin het onderwijs binnen een opleiding wordt aangeboden in het semester- c.q. bloksysteem.</p> <p>n. opleiding: de masteropleidingen die verzorgd worden door de School zoals vermeld in artikel 1.1;</p> <p>o. extended master programma: Traineeship als uitbreiding binnen een masteropleiding bestaande uit een stage, aangevuld met cursussen en coaching;</p> <p>p. blok: onderwijsperiode van een kwart van een academisch jaar binnen het academisch jaar;</p> <p>q. semester: onderwijsperiode van een half academisch jaar binnen het academisch jaar;</p> <p>r. cohort: het jaar waarin de student met de opleiding is begonnen.</p>	<p>practical exercises. An examination may consist of a number of different (interim) tests, which can take place on campus or off campus, online or offline. In principle, an opportunity to complete a course is given twice per academic year;</p> <p>k. resit: an attempt to complete a course or to obtain a higher grade for that course, for which previously a first attempt is offered in the curriculum;</p> <p>l. proctor: an examiner or other person, appointed on behalf of the Examination Board who is present during tests/ examinations in order to ensure that they are conducted fairly and orderly.</p> <p>m. education period: the period within a program during which education is provided in a study unit-based or semester-based system;</p> <p>n. program: the Master's degree programs that are provided by the School as mentioned in Article 1.1;</p> <p>o. extended master program: Traineeship as an extension within a Master's program consisting of an internship with additional training and coaching sessions;</p> <p>p. study unit: instruction period of a quarter of an academic year within the academic year;</p> <p>q. semester: instruction period of half an academic year within the academic year;</p> <p>r. cohort: the year in which the student started with the program.</p>
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## HOOFDSTUK 2 VOOROPLEIDING EN TOELATING vanaf 2023/2024

## CHAPTER 2 PREVIOUS EDUCATION AND ADMISSION as of 2023/2024

### **Titel 1 Vooropleiding en toelatingseisen**

#### *Artikel 2.1 Vooropleiding voor de masteropleidingen*

1. Onder voorbehoud van het bepaalde in artikel 2.2 en artikel 2.5 verleent de decaan een student toegang tot een masteropleiding vanaf het academisch jaar 2023/2024 met één van de volgende vooropleidingen:
  - a. een afgeronde bacheloropleiding, inclusief specifiek vereiste vakken aan de Tilburg School of Economics and Management van Tilburg University, die correspondeert met de masteropleiding zoals weergegeven in bijlage 3;
  - b. in aanvulling op een bachelor diploma, en in acht nemende het gestelde in het zesde lid van dit artikel, een aan de Tilburg School of Economics and Management van Tilburg University afgerond pre-masterprogramma dat correspondeert met en toelating geeft tot de betreffende masteropleiding, zoals weergegeven in bijlage 3;
  - c. een succesvol afgeronde opleiding die volgens de decaan gelijkwaardig is aan de vooropleiding zoals bedoeld in onderdeel a.
2. Vanaf 1 september 2013 is toelating tot een masteropleiding alléén mogelijk met een voltooide vooropleiding zoals bedoeld onder lid 1, a, b en c.
3. Niet tegenstaande artikel 2.1 lid 1, 2 en 6 is toelating tot de masteropleiding International Management alleen mogelijk wanneer aan aanvullende kwalitatieve toelatingseisen voor deze master wordt voldaan. De kandidaten dienen bij aanmelding:
  - a. een afgeronde Nederlandse universitaire bacheloropleiding dan wel een (academisch) pre-masterprogramma International Management te hebben afgerond;
  - b. een motivatiebrief en cv in te zenden via de template op de [Application and Admission website van MSc International Management](#).

### **Title 1 Previous education and admission requirements**

#### *Article 2.1 Previous education for the Master's degree programs*

1. Subject to the provisions in Articles 2.2 and 2.5, the dean will admit students with one of the following previous education profiles to a Master's degree program as of the academic year 2023/2024:
  - a. a completed Bachelor's degree program, including specifically required courses pursued at the Tilburg School of Economics and Management of Tilburg University, which corresponds to the Master's degree program as set out in Appendix 3;
  - b. in addition to a Bachelor's degree, and considering paragraph 6 of this Article, a pre-Master's program completed at the Tilburg School of Economics and Management of Tilburg University which corresponds to and entitles the candidate to admission of the relevant Master's degree program, as set out in Appendix 3;
  - c. successful completion of a program that the Dean deems equivalent to the previous education profile referred to under a.
2. As of September 2013, admission to a Master's program is only granted with a completed previous education profile, as referred to under paragraph 1(a, b, and c).
3. Notwithstanding Article 2.1 paragraph 1, 2 and 6, admission to the Master's program International Management is only possible when additional qualitative admission requirements for this program have been met. Applicants should be able to supply:
  - a. a completed Dutch academic Bachelor's program or a successfully completed (academic) pre-Master's program in International Management;
  - b. a motivation letter and resume that must be submitted via the template on the [Application and Admission website van MSc International Management](#).

<p>4. Studenten met een vooropleiding zoals bedoeld in artikel 2.1 eerste lid, onderdeel c, die niet is gevolgd aan een instelling voor hoger onderwijs in Nederland, worden verzocht om hun resultaten op de GMAT (Graduate Management Admission Test) of hun GRE-scores (Princeton Graduate Record Exam) in te dienen. Voor bedrijfswetenschappelijke masteropleidingen is de kwalitatieve toelatingseis een GMAT-score van minimaal 550. Ook GRE-testscores worden geaccepteerd, scores dienen via de conversietool te worden her berekend naar vergelijkbare GMAT-scores. Voor de master Economics, Econometrie en Mathematical Economics, Business Analytics en Operations Research, Quantitative Finance en Actuarial Science is een minimum GRE vereiste van 160 op het kwantitatieve gedeelte (een voltooiing van alle secties van het examen is vereist).</p> <p>5. Niet tegenstaande het gestelde in lid 4 kunnen studenten van universiteiten en faculteiten waar TiSEM een partner overeenkomst mee onderhoudt worden vrijgesteld van de in lid 4 gestelde eis.</p> <p>6. Een verzoek om toelating tot een masteropleiding anders dan de hierboven genoemde wordt afgewezen. De decaan kan in individuele gevallen besluiten om de verzoeker toe te laten tot een voorbereidend programma dat na afronding toelating tot de masteropleiding verschafft conform artikel 2.1 eerste lid, onderdeel b.</p> <p>7. Een pre-masterprogramma garandeert toelating tot één specifiek genoemde masteropleiding in het direct daar op volgende februari-instroommoment (als dat bestaat) of september instroommoment. Instroom in de masteropleiding in de hierop volgende collegejaren kan onderhevig zijn aan aanvullende eisen.</p> <p>8. Niet tegenstaande het gestelde in lid 1, onderdeel b, dient de student met een afgerond pre-masterprogramma tevens een bewijs als gesteld in artikel 2.2 lid 4 te overleggen alvorens hij tot de masteropleiding kan worden toegelaten</p> <p>9. Het gestelde in lid 8 geldt niet voor de (pre-)master Fiscale Economie.</p>	<p>4. Students with a previous education as referred to in Article 2.1 paragraph 1(c), not pursued at a higher education institution in the Netherlands are requested to submit their GMAT results (Graduate Management Admission Test) or their GRE scores (Princeton Graduate Record Exam). For Master's degree programs in Business Studies the qualitative admission requirement is a GMAT score of at least 550. GRE test scores are also accepted, scores should be recalculated to comparable GMAT scores via the conversion tool. For the Master's Economics, Econometrics and Mathematical Economics, Business Analytics and Operations Research, Quantitative Finance and Actuarial Science the minimum GRE requirement is 160 on the quantitative section (a completion of all sections of the exam is required).</p> <p>5. Notwithstanding the provision of paragraph 4, students from faculties or universities of which TiSEM has a partner agreement may be exempted from the requirement formulated in paragraph 4.</p> <p>6. Requests for admission to a Master's degree program other than the options specified above will be refused. In individual cases, the Dean may decide to admit the applicants to a preparatory program, upon completion of which they will be admitted to the Master's degree program as stipulated in Article 2.1 paragraph 1(b).</p> <p>7. A pre-Master's program guarantees direct admission to a single specifically designated Master's degree program in the February inflow directly following (if such exists) or in the September inflow directly following. Admission into the Master's degree program in subsequent academic years may be subject to additional requirements.</p> <p>8. Notwithstanding paragraph 1(b), the pre-Master's graduate must submit proof of English proficiency as referred to in Article 2.2, paragraph 4 before admission to the Master's program is granted.</p> <p>9. The requirement as referred to in paragraph 8 does not apply to the (pre-)Master's in Tax Economics.</p>
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<p>10. Het geïntegreerd schakelprogramma (zoals gedefinieerd in de onderwijs- en examenregeling voor de pre-masterprogramma's van TiSEM) van 2023/2024 garandeert in principe toelating tot één specifiek genoemde masteropleiding in 2023/2024 (februari 2024), hetzij in 2023/2024 (september 2023). Wijzigingen in het programma van de opleiding kunnen alleen opgelegd worden indien van studenten redelijkerwijs kan worden verwacht dat ze hun studieplanning aanpassen.</p> <p>11. Niet tegenstaande het gestelde in lid 10 is toelating tot de masteropleiding Finance alleen mogelijk in september 2024. Deze opleiding kent slechts één startmoment per academisch jaar.</p> <p>12. In aanvulling op het bovenstaande, is voor deelname aan een Double Degree opleiding selectie vereist op grond van de criteria die zijn vastgelegd in de Double Degree overeenkomst.</p>	<p>10. In principle, the integrated Pre-Master's program (as defined in the Education and Examination Regulations for the TiSEM Pre-Master's programs) for the academic year 2023/2024 guarantees admission to a single, specifically designated Master's degree program either in 2023/2024 (February 2024) or in 2023/2024 (September 2023). Changes to the curriculum of the program may only be imposed if students can reasonably be expected to adapt their study plans.</p> <p>11. Notwithstanding the provision of paragraph 10, admission to the Master's program in Finance is only possible in September 2024. This program only have one entry moment per academic year.</p> <p>12. In addition to the above, participation in a Double Degree program requires selection according to the criteria as described in the Double Degree agreement.</p>
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## Artikel 2.2 Taalvereisten voor de masteropleidingen

## Article 2.2 Language requirements for the Master's degree programs

<p>1. Voldoende kennis van de Nederlandse taal is vereist voor de masteropleiding Fiscale Economie, wat kan worden aangetoond middels:</p> <ul style="list-style-type: none"> <li>- Nederlands vwo-diploma met Nederlands als examenvak;</li> <li>- een propedeutisch certificaat van een in het Nederlands aangeboden programma van een Nederlandse HBO opleiding of universiteit;</li> <li>- een in het Nederlands aangeboden bachelor diploma van een Nederlandse hbo-instelling of universiteit;</li> <li>- Diploma van Secundair Onderwijs (België), richting Algemeen Secundair Onderwijs;</li> <li>- Zeugnis der Allgemeinen Hochschulreife, met daarin het vak Nederlands tot en met het laatste jaar van het voortgezet onderwijs (Abiturfach);</li> <li>- Certificaat Nederlands als Vreemde Taal, Educatief Startbekwaam (STRT);</li> <li>- CNaVT examens die wereldwijd worden afgenoemt;</li> <li>- Certificaat Nederlands als Vreemde Taal, Educatief Professioneel (EDUP);</li> <li>- Staatsexamen Nederlands als Tweede Taal, programma II (NT2);</li> <li>- The State Exams Dutch as a Second Language (Nt2) afgenoemt bij DUO op 1 van de examencentra in Nederland.</li> </ul>	<p>1. Sufficient knowledge of the Dutch language is required for the master's degree program in Fiscal Economics, which can be demonstrated by means of one of the following test results:</p> <ul style="list-style-type: none"> <li>- Dutch pre-university diploma (VWO) with Dutch as exam subject;</li> <li>- A propaedeutic certificate of a Dutch-taught program from a Dutch university of applied sciences or Dutch research university;</li> <li>- A Dutch-taught Bachelor's degree from a Dutch university of applied sciences or Dutch research university;</li> <li>- Diploma van Secundair Onderwijs (Belgium), richting Algemeen Secundair Onderwijs;</li> <li>- Zeugnis der Allgemeinen Hochschulreife, which includes Dutch up to and including the last year of high school education (Abiturfach);</li> <li>- Certificaat Nederlands als Vreemde Taal, Educatief Startbekwaam (STRT);</li> <li>- CNaVT exams can be taken worldwide;</li> <li>- Certificaat Nederlands als Vreemde Taal, Educatief Professioneel (EDUP);</li> <li>- Staatsexamen Nederlands als Tweede Taal, programma II (NT2);</li> <li>- The State Exams Dutch as a Second Language (Nt2) taken at DUO at 1 of the exam centres in the Netherlands.</li> </ul>
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<p>2. Voor alle masteropleidingen, met uitzondering van de masteropleiding Fiscale Economie, is voldoende kennis van de Engelse taal vereist. Dit kan worden aangetoond middels een afgeronde Engelstalige bachelor- of masteropleiding aan een Nederlandse universiteit of middels het afgeronde Engelstalige TiSEM (hbo) pre-masterprogramma. Studenten die hier niet aan voldoen zijn vereist één van de volgende taaltestresultaten te overleggen:</p> <ul style="list-style-type: none"> <li>- Academic IELTS (min. 6.5 totaalscore/ 6.0 per onderdeel).</li> <li>-TOEFL IBT (min. 90 totaalscore/ 22 per onderdeel).</li> <li>-Cambridge English language test results (C1 Advanced (formerly CAE) or C2 Proficiency (formerly CPE) score A, B of C.</li> </ul> <p>De testresultaten mogen niet ouder zijn dan twee jaar ten tijde van de aanvraag. Studenten met een (geldig) paspoort uit of een bachelor- of masteropleiding behaald aan een universiteit in Australië, Canada (met de uitzondering van Quebec), Ierland, Nieuw-Zeeland, het Verenigd Koninkrijk of de Verenigde Staten zijn vrijgesteld van deze eis. Aanvragen zonder geldige Engelse taaltestresultaten of een geldige vrijstelling zullen niet in behandeling worden genomen.</p>	<p>2. All Master's programs, except for the Master's program in Tax Economics, require an adequate knowledge of English. This can be proven by completing an English-taught Bachelor's or Master's degree at a Dutch university or by completing the English-taught (HBO) pre-Master's program at TiSEM. Otherwise, students are required to submit one of the following language test results as part of their application:</p> <ul style="list-style-type: none"> <li>-Academic IELTS (min. 6.5 overall / 6.0 on every section).</li> <li>-TOEFL IBT (min. 90 / 22 on every section).</li> <li>-Cambridge English test results (C1 advanced (formerly CAE) or C2 proficiency (formerly CPE) with an overall score of A, B or C.</li> </ul> <p>The test results must not be older than two years at the time of application. Students who hold either a (valid) passport or a Bachelor's or Master's degree from Australia, Canada (with the exception of Quebec), Ireland, New Zealand, the United Kingdom, or the United States are exempted from this requirement. Applications without valid English language test results or a valid exemption will not be assessed.</p>
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<b>Titel 2</b>	<b>Toelatingsprocedure</b>	<b>Title 2 Admission procedure</b>
<i>Artikel 2.3</i>	<i>Instroommoment</i>	<i>Article 2.3 Start date</i>
De opleidingen, met uitzondering van de masteropleiding Finance, hebben twee instroommomenten per academisch jaar; te weten per 1 september en per 1 februari. Toetsing van de vereiste vooropleiding en van de aanvullende toelatingseisen vindt plaats op basis van resultaten welke behaald zijn voor deze data.		The programs, with the exception of the Master's degree program in Finance, start twice per academic year (September 1 and February 1). The assessment of the previous education requirements will be based on results obtained before these dates.

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*Artikel 2.4 Indienen van toelatingsverzoek voor de masteropleiding*

*Article 2.4 Submission of application for the Master's degree program*

<ol style="list-style-type: none"><li>1. Studenten met een buiten Nederland behaald bachelorsdiploma dienen een toelatingsverzoek te doen voor de opleiding in <a href="http://www.studielink.nl">www.studielink.nl</a> en alle benodigde documenten te uploaden in Osiris AANMELD, zelfs als zij (bijna) een Nederlands masterdiploma hebben.</li><li>2. Studenten met een Nederlands bachelor diploma dienen hun toelatingsverzoek in via Studielink, waarna het toelatingsverzoek beoordeeld zal worden.</li><li>3. De volgende deadlines zijn van toepassing voor het indienen van toelatingsverzoeken voor de masteropleiding:<ol style="list-style-type: none"><li>a. Voor toelating per 1 september: niet later dan 1 april van het jaar voorafgaand aan het academisch jaar waarin zij aan het onderwijs willen deelnemen voor studenten met een andere dan de Nederlandse nationaliteit en die geen permanente verblijfsvergunning hebben voor een van de EEA-landen.</li><li>b. Voor toelating per 1 september: niet later dan 1 juni van het jaar voorafgaand aan het academisch jaar waarin zij aan het onderwijs willen deelnemen voor studenten met een andere dan de Nederlandse EEA nationaliteit of voor Nederlandse studenten met een niet-Nederlands bachelor diploma.</li><li>c. Voor toelating per 1 september: niet later dan 1 augustus van het jaar voorafgaand aan het academisch jaar waarin zij aan het onderwijs willen deelnemen voor studenten met de Nederlandse nationaliteit en een Nederlands bachelor diploma.</li><li>d. Voor toelating per 1 februari: niet later dan 1 oktober van het jaar voorafgaand aan het academisch jaar waarin zij aan het onderwijs willen deelnemen voor studenten met een andere dan de Nederlandse nationaliteit en die geen permanente verblijfsvergunning hebben voor een van de andere EER-landen.</li></ol></li></ol>	<ol style="list-style-type: none"><li>1. Students with a non-Dutch bachelor diploma must submit an application for the master program in <a href="http://www.studielink.nl">www.studielink.nl</a> and upload all required documents in Osiris AANMELD, even if they (almost) completed a Dutch master program.</li><li>2. Students with a Dutch Bachelor's degree must send their applications using Studielink, after which their application will be judged.</li><li>3. The deadlines for submission of applications for the Master's degree program are as follows:<ol style="list-style-type: none"><li>a. For admission per September 1: no later than April 1 of the academic year preceding the desired academic year of admission for students who do not have the Dutch nationality and do not hold a permanent residence permit for one of the other EEA countries.</li><li>b. For admission per September 1: no later than June 1 of the academic year preceding the desired academic year of admission for students who are not of Dutch nationality but hold a EEA nationality, or for Dutch students who have a non-Dutch Bachelor's degree.</li><li>c. For admission per September 1: no later than August 1 of the academic year preceding the desired academic year of admission for students with the Dutch nationality and a Dutch Bachelor's degree.</li><li>d. For admission per February 1: no later than October 1 of the academic year preceding the desired academic year of admission for students who do not have the Dutch nationality and do not hold a permanent residence permit for one of the other EEA countries.</li></ol></li></ol>
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<p>e. Voor toelating per 1 februari: niet later dan 1 oktober van het jaar voorafgaand aan het academisch jaar waarin zij aan het onderwijs willen deelnemen voor studenten met een andere dan de Nederlandse nationaliteit die een permanente verblijfsvergunning hebben voor een van de andere EER-landen.</p> <p>f. Voor toelating per 1 februari: niet later dan 1 januari van het jaar voorafgaand aan het academisch jaar waarin zij aan het onderwijs willen deelnemen voor studenten met de Nederlandse nationaliteit en een Nederlands bachelor diploma.</p> <p>4. Een toelatingsverzoek bestaat voor studenten met een andere dan Nederlandse nationaliteit en een niet-Nederlandse vooropleiding uit:</p> <ul style="list-style-type: none"> <li>a. een korte motivatiebrief met het verzoek te worden toegelaten tot de opleiding;</li> <li>b. een kopie van de paspoortpagina met de persoonsgegevens;</li> <li>c. gewaarmerkte kopieën van behaalde diploma's (middelbaar en hoger/universitair onderwijs) en cijferlijsten;</li> <li>d. officiële vertalingen indien de diploma's/cijferlijsten niet in het Nederlands of Engels opgesteld zijn;</li> <li>e. vakbeschrijvingen waaruit de inhoud van de vakken uit de vooropleiding blijkt;</li> <li>f. GMAT of GRE score indien deze is vereist voor toelating (artikel 2.1 lid 3 sub a en lid 6 van deze regeling);</li> <li>g. curriculum vitae.</li> <li>h. Bij studies met een taaleis: certificaat waarmee niveau kan worden vastgesteld. Door studenten met een Nederlandse vooropleiding hoeven alleen de documenten genoemd onder lid c, e en h te worden overlegd.</li> </ul> <p>5. Alleen complete dossiers worden in behandeling genomen. Na ontvangst van het verzoek wordt binnen zes (6) weken beslist over toelating. Het besluit wordt schriftelijk via e-mail meegeleerd.</p> <p>6. Studenten dienen zich aan te melden voor de gewenste studie in Studielink (<a href="http://www.studielink.nl">http://www.studielink.nl</a>).</p> <p>7. De decaan van de School besluit over de toelating tot een masteropleiding.</p> <p>8. De decaan van de School vraagt advies aan de Toelatingsadviescommissie met betrekking tot het al dan niet toelaten van de student tot de masteropleiding.</p> <p>9. De Toelatingsadviescommissie adviseert de decaan van de School met betrekking tot het al dan niet toelaten van de student tot de masteropleiding.</p> <p>10. In beroepsprocedures met betrekking tot toelating treedt de</p>	<p>e. For admission per February 1: no later than October 1 of the academic year preceding the desired academic year of admission for students who are not of Dutch nationality but hold a permanent residence permit for one of the other EEA countries.</p> <p>f. For admission per February 1: no later than January 1 of the academic year preceding the desired academic year of admission for students with the Dutch nationality and a Dutch Bachelor's degree.</p> <p>4. An application consists of:</p> <ul style="list-style-type: none"> <li>a. a short motivation letter;</li> <li>b. a copy of the passport page containing personal details;</li> <li>c. certified copies of diplomas obtained (secondary and higher/university education) and grade lists;</li> <li>d. official translations (if the diplomas/grade lists are not in Dutch or English);</li> <li>e. course descriptions which explain the content of each course of the previous education;</li> <li>f. GMAT or GRE test score if required for admission (Article 2.1 paragraph 3(a) and paragraph 6 of these Regulations);</li> <li>g. a resume.</li> <li>h. In case of studies with a language requirement: the certificate with which the language level can be proven.</li> </ul> <p>Students with a Dutch bachelor education only need to deliver the documents named in c, e and h.</p> <p>5. Applications will only be processed if the documentation is complete. An admission decision will be reached within six (6) weeks after receiving the application. Applicants will be notified of the decision by e-mail.</p> <p>6. Students must apply through Studielink (<a href="http://www.studielink.nl">http://www.studielink.nl</a>).</p> <p>7. The Dean of the School decides on the admission to the Master's program.</p> <p>8. The Dean of the School asks the Admission Advisory Committee for advice with regard to whether or not to admit the student to the Master's program.</p> <p>9. The Admission Advisory Committee advises the Dean of the School with regard to whether or not to admit the student to the Master's program.</p> <p>10. In appeal procedures regarding admissions, the Examination Board acts on behalf of the Dean of the School.</p>
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examencommissie op namens de decaan van de School.

#### Artikel 2.5 Inschrijving

1. Studenten met een lopende inschrijving kunnen middels het volgen van de instructie in de e-mail die Tilburg University vanaf juni toestuurt, aangeven voor welke masteropleiding zij ingeschreven willen worden. De studentenadministratie controleert aan de hand van de studievoortgangsgegevens of toelating tot de gewenste masteropleiding open staat. Zij dienen zich ook aan te melden via Studielink (<http://www.studielink.nl>).
2. Studenten die zich voor de eerste keer willen inschrijven voor een opleiding aan Tilburg University en in het bezit zijn van een diploma dat rechtstreeks toegang biedt tot de opleiding, dienen zich aan te melden via Studielink (<http://www.studielink.nl>).
3. Studenten met een bachelor diploma van de Tilburg School of Economics and Management, zonder lopende inschrijving, dienen voor 1 augustus een toelatingsverzoek te doen. Dit toelatingsverzoek moet online worden ingediend via Studielink.
4. Indien de student toegelaten is tot de masteropleiding per 1 september dient hij de inschrijving voor 1 september te completeren door inschrijving in de studentenadministratie en het voldoen aan de financiële verplichtingen. Enkel inschrijvingen voor 15 augustus garanderen een tijdige verwerking voor aanvang van het academisch jaar.
5. Indien de student toegelaten is tot de masteropleiding per 1 februari dient hij de inschrijving voor 1 februari te completeren door inschrijving in de studentenadministratie en het voldoen aan de financiële verplichtingen. Enkel inschrijvingen voor 15 januari garanderen een tijdige verwerking voor aanvang van het academisch jaar.
6. Voor een inschrijving na 1 september van het lopende academisch jaar is in gevolge artikel 2.4 van de Regeling Inschrijving en Collegegeld toestemming van het College van Bestuur vereist. Als onderdeel van het besluitvormingsproces zal het College van Bestuur de School, in dit geval de examencommissie, vragen schriftelijk te verklaren dat er geen onderwijskundige redenen zijn voor het afwijzen van de inschrijving. Indien de examencommissie van mening is dat de student niet in het huidige studieprogramma kan worden opgenomen, dient dit schriftelijk beargumenteerd te worden.

#### Article 2.5 Enrollment

1. By following the instruction in the e-mail sent by Tilburg University from June onwards, students with an ongoing enrollment can indicate the Master's program for which they wish to be enrolled. The Student Administration uses the study progress data to check whether admission to the desired Master's program is open. They must also register via Studielink (<http://www.studielink.nl>).
2. Students who wish to enroll for Tilburg University for the first time and who hold a diploma that makes them eligible for direct admission to the program must apply in Studielink (<http://www.studielink.nl>).
3. Students with a Bachelor's degree of the Tilburg School of Economics and Management without an ongoing enrollment must apply for admittance to the Master's degree program before August 1. This application must be submitted online via Studielink.
4. If the student has been admitted to the Master's degree program per September 1, he/she must complete the enrollment before September 1 by enrolling at the student administration and meeting the financial requirements. To ensure timely processing before the start of the academic year, the enrollment must be completed before August 15.
5. If the student has been admitted to the Master's degree program per February 1, he/she must complete the enrollment before February 1 by enrolling at the student administration and meeting the financial requirements. To ensure timely processing before the start of the academic year, the enrollment must be completed before January 15.
6. For enrollment after September 1 of the current academic year, the permission of the Executive Board is required pursuant to Article 2.4 of the Registration and Tuition Fee Regulations. As part of the decision-making process, the Executive Board will request the School, in this case the Examination Board, to declare in writing that there are no educational reasons for refusing the enrollment. If the Examination Board is of the opinion that the student cannot be admitted to the current degree program, this must be substantiated in writing.

### HOOFDSTUK 3 OPBOUW VAN DE OPLEIDING

### CHAPTER 3 STRUCTURE OF THE PROGRAM

#### **Titel 1 Beschrijving van de opleiding**

#### **Title 1 Description of the program**

##### *Artikel 3.1 Doel van de opleidingen*

##### *Article 3.1 Aim of the programs*

De doelstellingen van de opleidingen zijn:

- a. het verwerven van kennis en kunde en het vormen van een karakter door de student in het desbetreffende vakgebied;
- b. wetenschappelijke vorming van de student;
- c. voorbereiding op een maatschappelijke carrière op academisch niveau of op een carrière als wetenschappelijk onderzoeker.

Al het onderwijs in de opleidingen wordt jaarlijks schriftelijk geëvalueerd. Voor de cursusevaluatie wordt gebruik gemaakt van een gestandaardiseerd vragenformulier. Daarnaast zijn klankbordgroepen actief waarin evaluatiegegevens worden verzameld over de cursussen en curriculumonderdelen. Aan de hand van de uitgevoerde evaluaties worden zo nodig verbetertrajecten met de docenten, die de vakken verzorgen, afgesproken.

The aims of the programs are as follows:

- a. to enable students to acquire knowledge and skills, and 'build a character' in the field concerned;
- b. to provide students with academic training;
- c. to prepare students for a career at an academic level or as an academic researcher.

All the courses in the programs are evaluated annually, in writing. For the course evaluation, a standardized questionnaire is used. In addition, sounding boards collect evaluation information about the courses and curriculum components. Based on the evaluations, agreements for improvements are made with the lecturers who provide the courses, if necessary.

##### *Artikel 3.2 Eindkwalificaties*

##### *Article 3.2 Final qualifications*

De eindkwalificaties van de opleiding zijn ondergebracht in bijlage 4.

The final qualifications of each program can be found in appendix 4.

##### *Artikel 3.3 Inrichting van de opleiding*

##### *Article 3.3 Program design*

1. De opleidingen worden voltijds verzorgd.
2. De feitelijke vormgeving van het onderwijs is ondergebracht in Osiris dan wel Canvas. De informatie in Osiris is leidend.

1. The programs are provided on a full-time basis.
2. The way education actually is designed is included in Osiris and/or on Canvas. The information in Osiris is leading.

**Artikel 3.4** *Studielast***Article 3.4** *Study load*

1. De programma's hebben de volgende studielast: 60 ECTS-credits.
2. De studielast van de vakken bedraagt in beginsel:
  - a. binnen de masteropleidingen: 6 ECTS-credits, met uitzondering van de masterthesis, die een studielast van 18 ECTS-credits heeft;
  - b. niet tegenstaande het bepaalde in onderdeel a, binnen de masteropleidingen International Management, Supply Chain Management en Marketing Analytics een studielast van 3 of 6 ECTS- credits. De masterthesis binnen deze opleiding heeft een studielast van 18 ECTS- credits;
  - c. niet tegenstaande het bepaalde in onderdeel a, binnen de masteropleiding Economics een studielast van 3 of 6 ECTS-credits. De masterthesis binnen deze opleiding heeft een studielast van 15 ECTS- credits;
  - d. niet tegenstaande het bepaalde in onderdeel a, binnen de masteropleiding Accountancy de master file een studielast van 12 ECTS- credits.

1. The programs have the following study load: 60 ECTS credits.
2. The study load of the courses is in principle as follows:
  - a. within the Master's degree programs: 6 ECTS credits, except for the Master's thesis, which has a study load of 18 ECTS credits;
  - b. notwithstanding the provisions of paragraph a, the study load of courses within the Master's degree programs International Management, Supply Chain Management, and Marketing Analytics is 3 or 6 ECTS credits. The Master's thesis for these programs have a study load of 18 ECTS credits;
  - c. notwithstanding the provisions of paragraph a, the study load of courses within the Master's degree program Economics is 3 or 6 ECTS credits. The Master's thesis for this program has a study load of 15 ECTS credits;
  - d. notwithstanding the provisions of paragraph a, within the Master's degree in Accountancy, the study load of the master file is 12 ECTS credits.

**Artikel 3.5** *Jaarindeling***Article 3.5** *Academic calendar*

1. Het academisch jaar in de masteropleidingen omvat vier blokken en/of twee semesters.
2. Niet tegenstaande lid 1 is het mogelijk een Extended Master programma of QTEM (Quantitative Techniques for Economics and Management) programma te volgen, dat minimaal twee extra blokken omvat.  
Het Extended Master programma is een programma waarmee een student zijn reguliere masteropleiding kan uitbreiden met een stage. Dit programma is toegankelijk voor alle TiSEM master studenten. Het QTEM-programma bestaat uit een uitwisseling en een stage en is toegankelijk voor alle TiSEM studenten, indien ze aan de QTEM voorwaarden voldoen ([www.QTEM.org](http://www.QTEM.org)).
3. De masteropleidingen kennen twee instroommomenten per academisch jaar, te weten september en februari.
4. Niet tegenstaande het gestelde in lid vier, kent de masteropleiding Finance één instroommoment, te weten september

1. The academic year in the Master's degree programs consists of four study units and/or two semesters.
2. Notwithstanding paragraph 1, it is possible for students to follow an Extended Master's program or QTEM (Quantitative Techniques for Economics and Management) program, which contains at least two extra study units.  
The Extended Master's program (EM) is a program in which students can extend their regular Master's program with an internship. This program is accessible for all TiSEM Master's students. The QTEM Program consists of an exchange and an internship and is accessible to all TiSEM students as long as they meet the QTEM criteria ([www.QTEM.org](http://www.QTEM.org)).
3. Master's programs have two intake moments per academic year, i.e., September and February.
4. Notwithstanding paragraph 4, the Master's program Finance has one intake moment, which is September.

<i>Artikel 3.6</i>	<i>Voertaal</i>	<i>Article 3.6</i>	<i>Language of instruction</i>
<p>1. Gegeven het internationale werkveld van de opleidingen, de diverse nationaliteiten van de studenten en/of docenten binnen de opleidingen, de beschikbare bronnen en de lingua franca van het onderzoeksgebied van de opleidingen is gekozen voor het Engels als voertaal binnen de opleidingen.</p> <p>2. De voertaal binnen de opleiding Fiscale Economie is Nederlands. De opleiding Marketing Management kent een Nederlandstalige en een Engelstalige programmavariant.</p> <p>3. Niet tegenstaande het gestelde in het tweede lid kunnen één of meerdere cursussen die onderdeel uitmaken van het programma in het Engels worden verzorgd. Onder de vakbeschrijving in de Osiris Onderwijscatalogus is opgenomen welke voertaal binnen het vak wordt gehanteerd.</p>		<p>1. Given the international professional field of the programs, the different nationalities of the students and/or examiners within the programs, the available resources, and the lingua franca of the research field of the programs, English is the chosen language of instruction.</p> <p>2. The language of instruction in the Tax Economics program is Dutch. The program Marketing Management has a Dutch and an English track.</p> <p>3. Notwithstanding paragraph 2, one or more of the courses that are part of the program may be offered in English. The course description in the Osiris Course Catalog states the language of instruction in the course.</p>	

<b>Titel 2</b>	<b>Opbouw van het programma</b>	<b>Title 2</b>	<b>Structure of the program</b>
<i>Artikel 3.7</i>	<i>Programmaopbouw</i>	<i>Article 3.7</i>	<i>Program structure</i>
<p>1. In bijlage 1 staat uit welke vakken de opleidingen zijn opgebouwd en wanneer de vakken geroosterd zijn.</p> <p>2. Indien in het kader van een masteropleiding een Double Degree programma bestaat, zijn wijzigingen in de samenstelling en het rooster van het programma mogelijk. Zie hiervoor bijlage 2.</p> <p>3. Indien een student meerdere masteropleidingen met elkaar wil combineren, kunnen aanvullende eisen worden gesteld aan de programma's. Zie hiervoor bijlage 1.</p> <p>4. Indien een student het Extended Master programma volgt, zijn doorgaans 2 aanvullende blokken gereserveerd voor de stage (minimaal 600 uren) en de training sessies.</p> <p>5. Niet tegenstaande lid 4 kan een Extended Master programma meer dan twee blokken in beslag nemen.</p> <p>6. Indien een student het QTEM programma volgt, wordt de master uitgebreid met 1 dan wel 2 uitwisselingen en een stage. Dit betekent dat de master dan wordt verlengd met minimaal een half jaar.</p>		<p>1. Appendix 1 lists the programs' courses and shows how they are scheduled.</p> <p>2. If one or more of the Master's degree programs form(s) part of a Double Degree program, there may be changes to the composition and the timetabling of the program. See Appendix 2.</p> <p>3. If a student wishes to combine several Master's degree programs, the programs may be subject to additional requirements. See Appendix 1.</p> <p>4. If a student wishes to complete the Extended Master's program, on general, 2 additional units are reserved for the internship (at least 600 hours) and training sessions.</p> <p>5. Notwithstanding paragraph 4, an Extended Master's program may consist of more than two units.</p> <p>6. If a student wishes to complete the QTEM program, the initial Master's will be extended with 1 or 2 exchanges and an internship. This means that the Master's will be extended for at least six months.</p>	

Artikel 3.8 Keuzeruimte	Article 3.8 Choice of electives
<p>1. In bijlage 1 is aangegeven of de keuzeruimte in het programma moet worden ingevuld met vakken uit bepaalde keuzeclusters of dat deze keuzeruimte vrij is.</p> <p>2. In geval er sprake is van vrije keuzeruimte, dient de student rekening te houden met de volgende eisen:</p> <ul style="list-style-type: none"> <li>a. de vakken dienen van masterniveau te zijn;</li> <li>b. de vakken mogen inhoudelijk geen substantiële overlap vertonen met de overige vakken van de masteropleiding of met vakken die onderdeel uitmaken van de vooropleiding zoals bedoeld in artikel 2.1;</li> <li>c. de vakken moeten voldoen aan eventuele aanvullende, opleidingsspecifieke eisen;</li> <li>d. de keuzeruimte kan niet worden ingevuld met vakken die reeds zijn aangewend voor het verkrijgen van vrijstelling of vervanging van verplichte vakken.</li> </ul> <p>3. Het is niet mogelijk vakken uit een vastgesteld keuzecluster te vervangen door vakken uit een ander keuzecluster.</p> <p>4. Niet tegenstaande het gestelde in lid 2 moet de keuze voor vakken in de vrije keuzeruimte binnen de masteropleidingen Economics, Econometrics and Mathematical Economics, Business Analytics and Operations Research en Quantitative Finance and Actuarial Science altijd vooraf ter goedkeuring worden voorgelegd aan de examencommissie.</p> <p>5. Voor vakken die niet door de School worden aangeboden, dient de examencommissie goedkeuring te geven alvorens ze in de vrije keuzeruimte kunnen worden opgenomen.</p>	<p>1. Appendix 1 indicates whether the electives chosen within the program must consist of courses from certain elective clusters or whether students can make a free choice.</p> <p>2. If there is a free choice of electives, the student must take the following requirements into consideration:</p> <ul style="list-style-type: none"> <li>a. the courses must be at Master's level;</li> <li>b. the content of the courses must not have a substantial overlap with the other courses in the Master's degree program or with courses that form part of the previous education as referred to in Article 2.1;</li> <li>c. the courses must satisfy any additional, program-specific requirements;</li> <li>d. a course on the basis of which an exemption or replacement of a compulsory course is granted cannot be included as an elective.</li> </ul> <p>3. Replacing courses from a specified cluster by courses of another cluster is not allowed.</p> <p>4. Notwithstanding paragraph 2, electives chosen in the Master's programs in Economics, Econometrics and Mathematical Economics, Business Analytics and Operations Research and Quantitative Finance, and Actuarial Science must always be approved in advance by the Examination Board.</p> <p>5. Courses not offered by the School must be approved by the Examination Board before they can be included as electives.</p>

<b>Titel 3</b>	<b>Tentamens en examens</b>	<b>Title 3</b>	<b>Tests and examinations</b>
<i>Artikel 3.9</i>	<i>Tentamengelegenheid</i>	<i>Article 3.9</i>	<i>Examinations</i>
<p>1. Tot het afleggen van de tentamens van de vakken van de opleiding wordt in het academisch jaar waarin het vak wordt aangeboden in principe tweemaal de gelegenheid gegeven. Dit betekent niet dat alle toetsen en/of toetsonderdelen bij de tweede tentamengelegenheid herkansbaar hoeven te zijn. In alle gevallen dient de wijze van beoordeling en weging bij of voor aanvang van het eerste college van het betreffende vak aangegeven te zijn op Canvas en/of Osiris.</p> <p>2. Het voorgaande brengt niet met zich mee dat studenten tweemaal per academisch jaar recht hebben om een vak af te ronden indien zij een tentamengelegenheid missen. In geval van bijzondere omstandigheden, zoals opgenomen in artikel 4.3 lid 3 sub b van deze regeling, kan de examencommissie op verzoek van student besluiten tot toekenning van een alternatieve dan wel een extra tentamenkans. De voorwaarden voor toekenning van een alternatieve dan wel een extra tentamenkans zijn nader uitgewerkt in de Regels en Richtlijnen van de examencommissie.</p> <p>3. Niet tegenstaande het gestelde in het eerste lid, wordt voor de masterthesis in beginsel eenmaal per academisch jaar de gelegenheid geboden de thesis te verbeteren, indien de thesis in eerste instantie met een onvoldoende wordt beoordeeld. Indien een student de masterthesis niet afrondt, bestaat de mogelijkheid om in de volgende thesis cyclus met een nieuw onderwerp en een nieuwe supervisor opnieuw de masterthesis af te ronden.</p> <p>4. In afwijking van lid 3, wordt voor studenten in de masteropleiding Fiscale Economie twee keer per academisch jaar de gelegenheid geboden om de thesis af te ronden, mits zij hun thesis binnen twaalf maanden na aanvang hiervan afronden. Voor de specifieke voorwaarden en deadlines wordt verwezen naar de handleiding op de Canvas-pagina van de Masterthesis Fiscale Economie.</p>	<p>1. In principle, there are two opportunities to take the examinations for the program courses during the academic year in which the course is offered. This does not mean that all tests and/or test components of the second examination opportunity have to be eligible for resit. In all cases the method of assessment and the calculation of the weighting must be published prior to or at the start of the first lecture of the course concerned on Canvas and/or Osiris.</p> <p>2. The above does not mean that students are entitled to complete a course twice every academic year if they miss an examination opportunity. In special circumstances, at the request of the student, the Examination Board may decide to grant an alternative or additional opportunity to take examinations. The conditions for granting an alternative or additional examination opportunity are further specified in the Rules and Guidelines of the Examination Board.</p> <p>3. Notwithstanding the provisions in paragraph 1, in principle one opportunity is offered to improve the thesis once per academic year if it is initially graded as insufficient. If a student still does not pass the course Master's thesis after that, he/she can retake the course Master's thesis in the next thesis cycle with a new topic and a new supervisor.</p> <p>4. Notwithstanding paragraph 3, students in the Master's program Tax Economics can start two times per academic year with the course Master's thesis, but have to finish the master's thesis within a period of twelve months after the starting date. There are specific requirements and deadlines for the Master's thesis, see the manual on the Canvas-page of the MSc Thesis Tax Economics.</p> <p>5. The first examinations for the program courses take place after the education period. The resits for the courses in the fall and the spring semester are scheduled after the first examinations. This paragraph is not applicable to courses that are offered by another School or university.</p>		

<p>5. De eerste tentamens voor de vakken van de opleiding volgen aansluitend op de onderwijsperiode. Zowel de herkansingen voor vakken uit het najaar semester als uit het voorjaarssemester worden geroosterd na de eerste tentamens voor deze vakken. Deze bepaling geldt niet voor vakken die door een andere School of universiteit worden verzorgd.</p> <p>6. Niet tegenstaande lid 5 kunnen de herkansingen voor de tentamens binnen de masteropleiding Finance geroosterd worden na afloop van het tweede semester aan het eind van het academisch jaar.</p> <p>7. In afwijking van lid 1, eerste volzin, en lid 5 wordt voor studenten die in februari instromen in één van de masteropleidingen in het betreffende studiejaar (periode van februari tot en met januari) waarin het vak wordt aangeboden, in het algemeen tweemaal de gelegenheid gegeven om een tentamen af te leggen.</p> <p>8. De tentamenperiodes worden voor aanvang van het semester bekend gemaakt via de academische jaarkalender.</p> <p>9. De examencommissie is verantwoordelijk voor de borging van de kwaliteit van (a) de tentamens, en (b) het borgen van de kwaliteit van de organisatie en procedures rondom de tentamens. In de 'Regels en Richtlijnen van de examencommissie' zijn de richtlijnen vastgelegd.</p>	<p>6. Notwithstanding paragraph 5, the resits for the examinations of the courses of the Master's program Finance may be scheduled after the education period in the second semester, at the end of the academic year.</p> <p>7. Notwithstanding paragraph 1, first sentence, and paragraph 5, students who start with their Master's program in February are generally given two opportunities to take the examinations for the program during the study year (February to January) in which the course is offered.</p> <p>8. The examination periods are announced via the academic year calendar before the start of the semester.</p> <p>9. The Examination Board is responsible for assurance of the quality of (a) the examinations, and (b) the assurance of the quality of the organization and procedures of the examinations. The guidelines are incorporated in the Examination Board's Rules and Guidelines.</p>
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*Artikel 3.10 Verplichte volgorde*

1. Toelating tot de vakken en de tentamens van de opleiding is voorbehouden aan studenten die tot de opleiding zijn toegelaten.
2. Niet tegenstaande lid 1 kunnen vakken van een bepaalde masteropleiding ook dienst doen als keuzevakken binnen een andere masteropleiding.
3. Voor deelname aan vakken van de opleiding kunnen nader gestelde ingangseisen van toepassing zijn. Deze zijn verwoord in bijlage 1 (Samenstelling van de programma's) en in de cursusbeschrijvingen in de Osiris Onderwijscatalogus.
4. Toelating tot het examen van de opleiding gebeurt met inachtneming van het gestelde in artikel 3.17, tweede lid.

*Article 3.10 Admission rules within the program*

1. Admission to the courses and examinations for the program is restricted to students who have been admitted to the program.
2. Notwithstanding paragraph 1, courses within one Master's program may be used as free elective courses within another Master's program.
3. Participation in program courses may be subject to more specific entry requirements. These are outlined in Appendix 1 (Composition of the Programs) and in the description of the course concerned in the Osiris Course Catalog.
4. Admission to the final examination is subject to Article 3.17, paragraph 2.

*Artikel 3.11 Vorm van de tentamens*

*Article 3.11 Form of the examinations*

1. In de Osiris Onderwijscatalogus wordt vermeld of het tentamen geheel of gedeeltelijk schriftelijk of mondeling of in de vorm van een digitale toets, dan wel door middel van een vaardigheidstest wordt afgelegd.
2. De examencommissie kan op verzoek van de examiner besluiten een tentamen in een andere vorm af te nemen.
3. Een mondelinge toets wordt bij niet meer dan één student tegelijk afgenoemt, tenzij de examencommissie anders heeft bepaald.
4. Een mondelinge toets is openbaar, tenzij de examencommissie of de desbetreffende examiner in een bijzonder geval anders heeft bepaald, dan wel de student daartegen bezwaar heeft gemaakt.
5. Bij mondelinge toetsen en tentamens zijn in beginsel minimaal twee examinatoren aanwezig. Van mondelinge toetsen en tentamens die door één examiner worden afgenoemt worden geluidsopnames gemaakt ten behoeve van de inzagemogelijkheid, tenzij de desbetreffende student daartegen uitdrukkelijk bezwaar maakt. De geluidsopnames worden zes weken bewaard.

1. The Osiris Course Catalog states whether the examination or part thereof is taken in writing, orally, digitally, or by means of a proficiency test.
2. At the request of the examiner, the Examination Board may decide to offer an examination in a different form.
3. Oral tests are not conducted with more than one student at a time unless the Examination Board has decided otherwise.
4. Oral tests are public, except in special cases for which the Examination Board or the examiner concerned has decreed otherwise, or if the student has lodged an objection.
5. Oral tests or examinations are in principle conducted with a minimum of two examiners. For the benefit of the inspection opportunity, a sound recording is made of oral tests or examinations conducted by one examiner, unless the student objects explicitly. The recording will be stored for six weeks.

### Artikel 3.12 Vaststelling van de uitslag

1. Het eindresultaat van een vak wordt bepaald op basis van de (deel)cijfers voor de toetsen van dat vak (inclusief het vakafsluitende tentamen) afzonderlijk. De wijze van beoordeling en weging wordt bij of voor aanvang van het eerste college van het betreffende vak bekend gemaakt in Osiris en/of Canvas.
2. De einduitslag voor het behalen van een vak wordt binnen vijftien (15) werkdagen na afname van het afsluitende onderdeel (toets/opdracht/tentamen) door de examiner vastgesteld en aan de student gecommuniceerd.
3. De herkansing van een vak vindt minimaal twintig (20) werkdagen na het eerste afsluitende onderdeel (toets/opdracht/tentamen) voor dit vak plaats.
4. Niet tegenstaande het gestelde met betrekking tot de nakijktermijn in lid 2 geldt voor tentamens van vakken die gepland zijn in december en januari van het academisch jaar een nakijktermijn van tien (10) werkdagen na afname van het afsluitende onderdeel (toets/opdracht/tentamen) voor die vakken. Het resultaat wordt door de docent aan de studenten gecommuniceerd.
5. De herkansing voor de vakken genoemd in lid 4 vindt plaats minimaal vijftien (15) werkdagen na afname van het afsluitende onderdeel (toets/opdracht/tentamen) voor die vakken.  
Als een student deelneemt aan meerdere tentamengelegenheden van een cursus, dan telt de hoogst behaalde score.
6. Wanneer een tentamengelegenheid met een voldoende resultaat is afgesloten, is het slechts nog één keer toegestaan een tentamengelegenheid voor hetzelfde vak af te leggen met als doel een hoger resultaat te behalen.
7. De uitslag van een mondelinge toets wordt onmiddellijk na afloop van de toets door de examiner vastgesteld, waarbij tevens een schriftelijke verklaring aan de student wordt overhandigd.
8. Iedere student die start met de master thesis krijgt een eerste begeleider toegewezen, die tevens een van de twee beoordelaars is. Deze eerste begeleider staat in voor de dagelijkse begeleiding van de student. Daarnaast krijgt de student een tweede beoordelaar toegewezen. Beide beoordelaars zijn examiner voor de betreffende thesis. In beginsel is minimaal één van de beoordelaars gepromoveerd en heeft minimaal één de Basis Kwalificatie Onderwijs voltooid. Wanneer de eerste begeleider niet aan beide voorwaarden voldoet, beoordelen beide beoordelaars tijdens kritische fases

### Article 3.12 Determination of the result

1. The final result of a course is determined on the basis of the (partial) grades of the individual tests for that course (including the final examination to complete the course). The method of assessment and the calculation of the weighting are announced prior to or at the start of the first lecture of the course concerned on Osiris and/or Canvas.
2. The examiner determines the final result of a course within fifteen (15) working days after the final component of that course (test/assignment/examination) has been completed and informs the student about the result.
3. The resit of an exam takes place at least twenty (20) working days after the first final component of that course (test/assignment/examination) has been completed.
4. Notwithstanding the provision of paragraph 2, the determination of results of examinations that are scheduled in December and January of the current academic year must take place within ten (10) working days after the final component of that course (test/assignment/examination) has been completed. The examiner informs the student about the result.
5. The resit of an examination for courses mentioned in paragraph 4 takes place at least fifteen (15) working days after the final component of these courses (test/assignment/examination) have been completed. If a student takes several examination opportunities for a course, the highest score obtained will count.
6. If an examination opportunity has been concluded with a sufficient result, it is only allowed to take part in one more examination opportunity for the same course with the aim of achieving a higher result.
7. The examiner determines the result of an oral test immediately after the test ends and presents a written statement to the student.
8. Each student who starts with the master thesis is assigned a first supervisor, who is also one of the two assessors. This supervisor is responsible for the daily supervision of the student. In addition, the student is assigned a second assessor. Both assessors are examiner for the respective thesis. In principle, at least one of the assessors has a PhD and at least one has completed the University Teaching Qualification. If the supervisor does not meet both conditions, both assessors will assess whether the student can continue during critical phases.
9. The result of an examination is only valid after publication in the individual

<p>of de student verder kan.</p> <p>9. De uitslag van een tentamen is pas geldig na publicatie ervan in de door de Centrale Studentenadministratie van Tilburg University beschikbaar gestelde individuele studievoortgangsrapporten. De publicatie van de uitslag vindt plaats binnen vijf (5) werkdagen na de vaststelling van het resultaat zoals bedoeld in het eerste en tweede lid. Mogelijke onjuistheden in de publicatie kunnen worden aangepast.</p> <p>10. De bepalingen in dit artikel zijn van toepassing op de door de School aangeboden tentamens.</p> <p>11. De regels met betrekking tot de beoordeling van de resultaten van een vak zijn vastgelegd in de Regels en Richtlijnen van de examencommissie.</p>	<p>student's progress records, which are made available by Tilburg University's Central Student Administration. Publication will take place within five (5) working days after the determination of the result as referred to in paragraphs 1 and 2. Possible inaccuracies in this publication can be changed.</p> <p>10. The provisions of this Article apply to the examinations offered by the School.</p> <p>11. The rules concerning the assessment of course results are defined in the Examination Board's Rules and Guidelines.</p>
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**Artikel 3.13      Geldigheidsduur****Article 3.13      Period of validity**

<ol style="list-style-type: none"><li>1. De geldigheidsduur van behaalde vakken is onbeperkt.</li><li>2. In afwijking van het bepaalde in het eerste lid kan de examencommissie een student verplichten een aanvullend of vervangend tentamen af te leggen voor een bepaald vak waarvoor hij/zij langer dan drie (3) jaar vóór het masterexamen een tentamen met goed gevolg heeft afgelegd.</li><li>3. Lid 1 en 2 van dit artikel zijn eveneens van toepassing op verleende vrijstellingen.</li></ol>	<ol style="list-style-type: none"><li>1. Successfully completed courses remain valid indefinitely.</li><li>2. Notwithstanding paragraph 1, the Examination Board may require a student to take an additional or replacement examination for a particular course if the original examination was concluded more than three (3) years before the Master's final examination.</li><li>3. The paragraphs of this Article are also applicable to exemptions granted.</li></ol>
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**Artikel 3.14      Inzagerecht****Article 3.14      Right of inspection**

<ol style="list-style-type: none"><li>1. Artikel 7.13, tweede lid onderdeel p van de wet regelt de inzage.</li><li>2. Voor de inzage zoals bedoeld in artikel 7.13, tweede lid, onderdeel p, van de wet geldt dat binnen zes (6) weken na de bekendmaking van de uitslag van een schriftelijk tentamen de student zijn werk kan inzien.</li><li>3. De docent bepaalt de dag, het tijdstip en de plaats waarop de inzage of kennisneming plaatsvindt en communiceert deze naar de betrokken studenten. Indien een student aantoonbaar door overmacht verhinderd te zijn om op de aldus vastgestelde dag, het tijdstip en de plaats te verschijnen, wordt hem/haar door de docent, zo nodig op verzoek van de examencommissie, een andere mogelijkheid geboden en voor zover mogelijk binnen de in het tweede lid genoemde termijn.</li><li>4. Gedurende de inzage kan de student kennisnemen van de vragen en opdrachten van het desbetreffende tentamen, alsmede zo mogelijk van de normen aan de hand waarvan de beoordeling heeft plaatsgevonden.</li><li>5. Niet tegenstaande lid 1 t/m 3 geldt dat studenten het recht hebben het tentamen in te zien voorafgaand aan een herkansing voor datzelfde tentamen. Indien dit organisatorisch niet mogelijk is, kan, voorafgaand aan de herkansing, een alternatief worden aangeboden in de vorm van een andere methode waarmee inzicht kan worden verschafft in het tentamen (bijvoorbeeld een uitleg door de docent op video, chatsessie). Het aanbieden van een alternatief betekent overigens niet dat daarmee het recht op reguliere inzage komt te vervallen.</li></ol>	<ol style="list-style-type: none"><li>1. Article 7.13, paragraph 2(p) of the Act lays down rules concerning the right of inspection.</li><li>2. Pursuant to Article 7.13, paragraph 2(p) of the Act, students have the right to inspect their work within six (6) weeks after the publication of the result of a written examination.</li><li>3. The lecturer stipulates the day, time and place that the inspection or perusal occurs and communicates these to the students concerned. If a student can prove that force majeure prevented him/her from appearing at the established day, time and place, the lecturer, if needed acting on the request of the Examination Board, will offer him/her another opportunity, if possible within the period stated in paragraph 2.</li><li>4. During the inspection, the student may peruse the questions and terms of reference of the examination concerned and if possible the standards that were applied in the assessment.</li><li>5. Notwithstanding paragraphs 1–3, the following rule applies: students have the right to inspect their examination prior to the resit for that same examination. If this is not possible from an organizational point of view, an alternative can be offered prior to the resit in the form of another method that provides insight into the examination (e.g. an explanation by the teacher on video, chat session). In any case, providing an alternative does not invalidate the student's entitlement to a regular examination inspection.</li></ol>
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*Artikel 3.15 Vrijstelling van tentamen*

1. De examencommissie kan de student op diens verzoek, gehoord de desbetreffende examiner, vrijstelling verlenen voor een tentamen van een vak van de masteropleiding, indien de student een vak aan een andere universiteit of de eigen universiteit heeft behaald met minimaal dezelfde studielast (ECTS) en dat alle leerdoelen en het niveau van het desbetreffende vak dekt.
2. De vrijstelling dient te worden aangevraagd uiterlijk binnen drie (3) weken nadat de colleges van het vak waarvoor vrijstelling wordt gevraagd, zijn begonnen. Een verzoek tot vrijstelling na deze termijn wordt niet in behandeling genomen.
3. Vrijstelling van een tentamen voor een vak in de masteropleiding is niet mogelijk op basis van een vak behaald in een bacheloropleiding of pre-masterprogramma. Uitzonderingen op deze regel zijn voorbehouden aan de examencommissie.
4. Vrijstelling van een tentamen voor een vak in de masteropleiding is niet mogelijk op basis van een vak op masterniveau behaald in de bacheloropleiding Fiscale Economie tijdens een exchange periode aan een buitenlandse universiteit.
5. In het algemeen is vrijstelling zoals bedoeld in het eerste lid niet mogelijk, indien het vak op basis waarvan de vrijstelling wordt aangevraagd, behaald is tijdens de inschrijving aan de opleiding aan Tilburg University.
6. Het gestelde in het derde lid geldt niet voor vakken behaald voor een andere opleiding aan Tilburg University.
7. De in het eerste lid bedoelde vrijstelling kan worden verleend tot een maximum van 12 ECTS-credits.
8. Binnen de opleiding wordt geen vrijstelling verleend voor de masterthesis.
9. In de studievoortgang en op de cijferlijst wordt bij het vak geen cijfer opgenomen, maar vervangen door de term 'VR'. Ingeval van keuzevakken kan een vrijstelling worden geweigerd indien het een keuzevak betreft dat in het programma van meerdere opleidingen is opgenomen. In dat geval kan het keuzevak slechts in één opleiding worden gekozen en dient de student in de andere opleiding voor een ander keuzevak te kiezen.

*Article 3.15 Exemption from an examination*

1. At the student's request and having heard the examiner concerned, the Examination Board may exempt the student from an examination of a course of the Master's program if the student has successfully completed a course at this or another university with an equal or higher study load (ECTS) and that covers all of the learning objectives and the level of the course concerned must apply for the exemption within three (3) weeks after the start of the course for which an exemption is requested. A request for exemption after that moment will not be considered.
2. The student must apply for the exemption within three (3) weeks after starting the course for which an exemption is requested. A request for exemption after that moment will not be considered.
3. Exemption from an examination of a course in the Master's program based on a course completed in a Bachelor's or pre-Master's program is not possible. Exceptions to this rule are reserved for the Examination Board.
4. Exemption from an examination of a course in the Master's program based on a completed course at Master's level obtained in the Bachelor's program Tax Economics during the exchange period at a foreign university is not possible.
5. In general, exemption as referred to in paragraph 1 is not possible if the course for which the exemption is requested was completed while the student was enrolled in the program at Tilburg University.
6. Paragraph 3 does not apply to courses completed within another program at Tilburg University.
7. The exemption referred to in paragraph 1 may be granted up to a maximum of 12 ECTS credits.
8. Within the program, no exemption is granted for the Master's thesis.
9. Instead of a grade, the term 'VR' is noted for the course concerned in the student's progress records and grade list. The exemption can be refused in the case of an elective that forms part of various study programs. In that case, the elective can only be taken as part of one study program and the student will have to choose a different elective in the other program.

*Artikel 3.16 Vervanging van verplichte vakken*

*Article 3.16 Replacement of compulsory courses*

<p>1. De student moet de vakken van het programma (verplichte vakcodes) volgen om aan zijn onderwijsverplichtingen te voldoen.</p> <p>2. Met inachtneming van het gestelde in het derde lid van dit artikel, kan de examencommissie in uitzonderlijke gevallen bepalen dat een verplicht vak vervangen mag worden door een ander vak dat alle leerdoelen van het desbetreffende vak dekt.</p> <p>3. De student dient voor de start van het semester waarin het vak wordt gegeven toestemming te vragen aan de examencommissie om het vak te mogen vervangen.</p> <p>4. In de studievoortgang en op de cijferlijst wordt het verplichte vak vervangen door de vermelding van het toegestane vervangende vak, inclusief cijfer.</p> <p>5. Vervanging van een verplicht vak is niet mogelijk op basis van een vak op masterniveau behaald in de bacheloropleiding Fiscale Economie tijdens een exchange periode aan een buitenlandse universiteit.</p>	<p>1. Students must take the program courses (compulsory course codes) in order to meet their educational obligations.</p> <p>2. In accordance with paragraph 3 of this Article, the Examination Board may decide in exceptional cases that a compulsory course may be replaced with another course that covers all of the learning objectives of the course concerned.</p> <p>3. The student must request the Examination Board's permission to replace the course before the start of the semester in which the course is taught.</p> <p>4. In the student's progress records and grade list, the compulsory course is replaced with an entry stating the approved replacement course (including the grade).</p> <p>5. A compulsory course cannot be replaced with a completed course at Master's level obtained in the Bachelor's program Tax Economics during the exchange period at a foreign university.</p>
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*Artikel 3.17 Examen*

*Article 3.17 Final examination*

<p>1. De examencommissie stelt de uitslag van het examen vast zodra de student voldoende bewijzen overlegt van de door hem behaalde tentamens binnen de masteropleiding en de wetenschappelijke vorming die daarmee heeft plaatsgevonden.</p> <p>2. Alvorens de uitslag van het examen te bepalen, kan de examencommissie een onderzoek instellen naar de kennis van de student op het gebied van een of meerdere vakken of aspecten van de opleiding, indien en voor zover de uitslagen van de desbetreffende tentamens hiertoe reden geven.</p> <p>3. De regels met betrekking tot judicia zijn vastgelegd in de Regels en Richtlijnen van de examencommissie.</p>	<p>1. The Examination Board will determine the result of the final examination as soon as the student provides sufficient evidence of the examinations that he/she has passed within the Master's program and the academic training thus acquired.</p> <p>2. Before determining the result of the final examination, the Examination Board may investigate the student's knowledge of one or more courses or aspects of the program, if and insofar as the results of the examinations in question give cause to do so.</p> <p>3. The rules governing awarding academic distinctions are set out in the Examination Board's Rules and Guidelines.</p>
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<i>Artikel 3.18</i>	<i>Graad</i>	<i>Article 3.18</i>	<i>Degree</i>
<p>1. Aan studenten die het examen in een van de opleidingen hebben afgelegd, wordt de graad Master of Science (MSc) verleend.</p> <p>2. De verleende graad wordt op het getuigschrift van het examen vermeld.</p> <p>3. Studenten die een Extended Master programma volgen, ontvangen na afronding daarvan een certificaat, naast hun Masterdiploma. Hiernaast worden Edubadges (digital recognition) uitgereikt voor de verschillende onderdelen van het programma.</p> <p>4. Studenten die het QTEM programma volgen, ontvangen na afronding daarvan het QTEM diploma, naast hun masterdiploma.</p>	<p>1. The degree of Master of Science (MSc) is awarded to students who have passed the final examination in the Master's programs.</p> <p>2. The degree conferred will be indicated on the examination certificate.</p> <p>3. Students completing an Extended Master program will receive a certificate, additional to their Master's diploma. Additionally, Edubadges (digital recognition) can be awarded for the different parts of the program.</p> <p>4. Students completing the QTEM program will receive a QTEM Diploma, additional to their Master's diploma.</p>		
<i>Artikel 3.19</i>	<i>Laatste vak</i>	<i>Article 3.19</i>	<i>Last course</i>
<p>1. Voor studenten die de masteropleiding Fiscale Economie of International Business Taxation: Economics volgen per instroom September 2023 of later geldt de regeling "laatste kans" als opgenomen in artikel 4.15 van de Onderwijs- en Examenregeling 2023/2024 van de eenjarige masteropleidingen van Tilburg Law School. Voor studenten die zijn begonnen in academisch jaar 2022-2023 of eerder geldt de Laatste Kans regeling van TiSEM.</p> <p>2. Het bepaalde in lid 1 van dit artikel is echter enkel van toepassing indien het betreffende laatste vak een vak betreft dat behoort tot:</p> <ul style="list-style-type: none"> <li>a. zowel het verplichte curriculum van de masteropleiding Fiscale Economie als tot het verplichte curriculum van de masteropleiding Fiscaal Recht van Tilburg Law School; of</li> <li>b. zowel het verplichte curriculum van de masteropleiding International Business Taxation: Economics als tot het verplichte curriculum van de masteropleiding International Business Taxation: Law van Tilburg Law School.</li> </ul>	<p>1. For students enrolled in the Master's program Tax Economics or International Business Taxation: Economics per September 2023 or later, the "last course" regulation applies as set out in Article 4.15 of the Education and Examination Regulations 2023/2024 of the one-year Master's programs of Tilburg Law School. For students who started in academic year 2022-2023 or earlier, the Last chance rule from TiSEM applies.</p> <p>2. However, the provision of paragraph 1 of this Article only applies if the last course in question is a course that belongs to:</p> <ul style="list-style-type: none"> <li>a. both the compulsory curriculum of the Master's program of Tax Economics and the compulsory curriculum of the Master's program Tax Law of Tilburg Law School; or</li> <li>b. both the compulsory curriculum of the Master's program of International Business Taxation: Economics and the compulsory curriculum of the Master's program International Business Taxation: Law of Tilburg Law School.</li> </ul>		

### Artikel 3.20 Ongeldigverklaring

De examencommissie is in geval van onregelmatigheden bevoegd tot ongeldigverklaring van een toets/tentamen of een onderdeel daarvan voor de student of alle (of een deel van de) studenten, indien een juist oordeel omtrent de kennis, het inzicht en/of de vaardigheden van de examinandus op die toets/tentamen of dat onderdeel redelijkerwijs niet mogelijk is gebleken dan wel de kwaliteit van de toets/tentamen of een onderdeel daarvan niet kan worden geborgd. Onder onregelmatigheden kan in dit verband onder andere worden verstaan: fraude, een technisch gebrek, onregelmatigheden die veroorzaakt zijn door examinatoren, studenten of derden en een al dan niet technische storing of calamiteit.

### Article 3.20 Invalidation

In the event of irregularities, the Examination Board is authorized to declare a test or examination or a part thereof invalid for the student or all (or part of) the students if a correct assessment of the knowledge, insight, and/or skills of the examinee on that test/examination or part thereof is not reasonably possible or if the quality of the test/examination or part thereof cannot be guaranteed. In this context, irregularities may include, among others, fraud; a technical defect; irregularities caused by lecturers/examiners, students, or third parties; and a technical or non-technical other malfunction or calamity.

### Artikel 3.21 Laatste kans regeling

1. De School kent een zogenaamde 'laatste kans regeling', waarbij studenten enkel en eenmalig een extra tentamenkans kunnen aanvragen voor het laatste openstaande vak uit hun masteropleiding.

Om in aanmerking te komen voor een extra tentamenkans dient de student daartoe een verzoek te doen bij de examencommissie en moet aan de volgende voorwaarden zijn voldaan:

- a. Alle overige vakken, waaronder de master thesis, moeten behaald zijn; het is dus het laatste openstaande vak van de masteropleiding.
- b. Het laatste nog te behalen vak heeft een studielast van maximaal 6 ECTS.
- c. De student moet in het academisch jaar waarin hij/zij het verzoek voor de laatste kans regeling indient aan beide tentamengelegenheden in dat academisch jaar hebben deelgenomen. Daarbij hoeft te gelden dat voor beide tentamengelegenheden, dat wil zeggen de reguliere tentamenkans en de herkansing, minimaal het cijfer 4,0 moet zijn behaald.
- d. De student moet zijn/haar verzoek voor een extra tentamenkans binnen 5 werkdagen nadat hij/zij het voorlaatste openstaande master vak heeft behaald, hebben ingediend bij de examencommissie. De vooroemde termijn vangt aan op de dag nadat het resultaat van het betreffende vak in OSIRIS bekend is gemaakt.
- e. Indien de reguliere tentamengelegenheid van het laatste openstaande master vak binnen drie maanden na ontvangst van het verzoek door de examencommissie plaatsvindt, zal de examencommissie besluiten om aan

### Article 3.21 Last chance regulation

1. The School has a so-called "last chance regulation", in which students can make a one-time-only request for an extra exam opportunity for the last remaining course of their Master's program.

To be eligible for an additional examination opportunity, students must submit a request to the Examination Board and the following conditions must be met:

- a. All other courses, including the master's thesis, must have been passed; it is therefore the last remaining course of the master's program.
- b. The last master course to be completed has a study load of a maximum of 6 ECTS.
- c. In the academic year in which he/she submits the request for the last chance regulation, the student must have taken part in both examination opportunities in that academic year. It should apply that for both examination opportunities, that is to say the regular examination opportunity and the resit, a minimum mark of 4.0 must be obtained.
- d. The student must submit his/her request for an extra examination opportunity to the Examination Board within 5 working days after he/she has obtained a sufficient result for the penultimate last remaining master course. The aforementioned period starts the day after the result of the master course concerned has been announced in OSIRIS.
- e. In case the regular examination opportunity of the last remaining master course for which an extra examination opportunity is requested occurs within three months after its receipt, the Examination Board will decide not to grant the

<p>student geen extra tentamenkans toe te kennen. Voorts heeft de student geen recht op een extra tentamenkans tot een maand na afloop van de herkansing van het laatste openstaande master vak.</p> <p>f. De docent van het vak waarvoor de extra tentamenkans wordt toegekend bepaalt de vorm - mondeling dan wel schriftelijk - van de extra tentamenkans.</p> <p>g. Als de student door ziekte of andere (privé)omstandigheden niet kan deelnemen aan de extra tentamenkans, wordt geen gelegenheid tot het inhalen hiervan gegeven en zal de student moeten deelnemen aan de volgende reguliere tentamenkans.</p>	<p>student an extra examination opportunity. Furthermore, the student is not entitled to an extra examination opportunity one month after the resit of the last remaining master course.</p> <p>f. The lecturer of the course for which the extra exam opportunity is awarded determines the form - oral or written - of the extra exam opportunity.</p> <p>g. If the student is unable to participate in the extra examination opportunity due to illness or other (private) circumstances, no opportunity will be given to make up for this and the student will have to participate in the next regular examination opportunity.</p>
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## HOOFDSTUK 4 STUDIEBEGELEIDING

### Artikel 4.1 Studievoortgangsadministratie

1. De School is verantwoordelijk voor de registratie van de individuele studieresultaten van de student.
2. Op verzoek van de School registreert de Centrale Studentenadministratie van Tilburg University de individuele studieresultaten van de student in het centrale studievoortgangssysteem.

## CHAPTER 4 STUDENT COUNSELING

### Article 4.1 Student progress administration

1. The School is responsible for recording the individual students' results.
2. At the request of the School, the Tilburg University Central Student Administration records the individual students' results in the central study progress administration.

### Artikel 4.2 Studiebegeleiding

1. De School zorgt ervoor dat alle voor de opleiding ingeschreven studenten aanspraak kunnen maken op begeleiding bij studiegerelateerde onderwerpen.
2. Het recht op studiebegeleiding houdt onder andere in:
  - a. de mogelijkheid tot het voeren van studievoortganggesprekken;
  - b. informatie over de keuzevakken;
  - c. doorverwijzing naar andere hulpverlenende instanties;
  - d. informatie over training van studievaardigheden.

### Article 4.2 Student counseling

1. The School ensures that all students enrolled in the program claim counseling in study-related matters.
2. Entitlement to student counseling includes:
  - a. the opportunity to have progress monitoring consultations;
  - b. information about the electives;
  - c. referral to other advisory bodies;
  - d. information about study skills training.

### Artikel 4.3 Studeren met een functiebeperking

1. Aan studenten met een functiebeperking, handicap of chronische ziekte wordt de gelegenheid geboden hun studie, zoveel als redelijkerwijs mogelijk is, aan de beperkingen die de functiebeperking, handicap of chronische ziekte met zich meebrengt aan te passen.
2. Om in aanmerking te komen voor tentamenvoorzieningen, dient de student een verzoek bij de studentendecaan daartoe in te dienen via de volgende webpagina:  
<https://www.tilburguniversity.edu/nl/studenten/studie/colleges/tentamens/aangepaste-tentamens>. Er moet altijd een medisch bewijsstuk of diagnose bij de aanvraag ingeleverd worden.
3. Als je studievertraging oploopt door bijzondere omstandigheden in de eerste vier jaar dat je Hoger Onderwijs doet, heb je soms recht op

### Article 4.3 Studying with a physical or mental disability

1. Students with a functional impairment, disability or chronic illness are offered the opportunity to tailor their studies, as far as is reasonably possible, to the limitations that are associated with their functional impairment, disability or chronic illness.
2. Students, who wish to make use of the right to take the examinations in a way that is adapted to their individual disability as much as possible, must submit a request to the dean of students via the following webpage:  
<https://www.tilburguniversity.edu/students/studying/exams/special-exams>. Evidence of the physical or mental disability must be presented.
3. In case of study delay due to special, personal circumstances in the first

financiële compensatie via DUO of uit het Profileringsfonds. De voorwaarden hiervoor vind je in het Profileringsfonds.	four year of your Higher Education, financial compensation from DUO or Profileringsfonds may be granted. The requirements can be found in the Profileringsfonds.
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*Artikel 4.4      Studeren en talentstatus*

1. Studenten met een Duale Carrière (als omschreven in de Tilburg University Dual Career Regulations) kunnen een talentstatus aanvragen die recht geeft op extra faciliteiten in bijvoorbeeld studiebegeleiding en/of financiële vergoeding. De School zoekt binnen haar mogelijkheden naar passende extra faciliteiten in studiebegeleiding. De criteria voor het verkrijgen van een talentstatus zijn te vinden in de Tilburg University Dual Career Regulations dat als bijlage aan het Studentenstatuut van Tilburg University is gehecht.
2. Studenten die een talentstatus hebben en die gebruik willen maken van de bovengenoemde faciliteiten, dienen bij aanvang van het academisch jaar of zodra de talentstatus door het College van Bestuur is toegekend een afspraak te maken met hun onderwijscoördinator om een studieplan op te stellen. Achteraf worden geen faciliteiten aangeboden.

*Article 4.4      Studying and talent status*

1. Students who engage in a Dual Career (as described in the Tilburg University Dual Career Regulations) can apply for a talent status, which entitles them to additional facilities (e.g., student counseling and/or financial remuneration). Within its possibilities, the School will provide appropriate additional facilities in terms of student counseling. The criteria for obtaining a talent status can be found in the Tilburg University Dual Career Regulations, which are attached as an appendix to the Tilburg University Student Charter.
2. Students with a talent status who wish to avail themselves of the above-mentioned facilities must make an appointment with their education coordinator to draw up a study plan at the beginning of the academic year or as soon as the Executive Board has granted the talent status. No facilities will be offered in retrospect.

## HOOFDSTUK 5      OVERGANGSBEPALINGEN

### *Artikel 5.1      Vervangende eisen*

1. Een wijziging in het curriculum van een opleiding, waarbij bepaalde verplichte vakken vervallen dan wel van semester worden gewijzigd, gaat gepaard met overgangsregels.
2. In principe houdt de overgangsregel in dat nog tweemaal de mogelijkheid wordt geboden om een tentamen in het betreffende vak af te leggen.
3. Overgangsregels van de afzonderlijke opleidingen worden gepubliceerd.

## CHAPTER 5      TRANSITIONAL PROVISIONS

### *Article 5.1      Alternative requirements*

1. Transitional arrangements will be made in respect of a change in the program curriculum in which certain compulsory courses are cancelled or are changed from one semester to the next.
2. In principle, the transitional arrangement means that the possibility of taking the examination for the relevant course is offered twice more.
3. Transitional arrangements for each program are published.

## HOOFDSTUK 6      SLOTBEPALINGEN

## CHAPTER 6            FINAL PROVISIONS

### Artikel 6.1      *Algemene hardheidsclausule*

### Article 6.1      *General hardship clause*

1. De examencommissie is bevoegd om in geval van onbillijkheden van overwegende aard in individuele gevallen ten voordele van de student een uitzondering te maken op de Onderwijs- en Examenregeling.
2. In gevallen waarin de Onderwijs- en Examenregeling niet voorziet, beslist de examencommissie.

1. The Examination Board is authorized to make an exception to the Education and Examination Regulations in individual cases of extreme unfairness in favor of the student.
2. In cases not provided for by the Education and Examination Regulations, the Examination Board decides.

### Artikel 6.2      *Rechtsbescherming*

### Article 6.2      *Legal protection*

Het College van Beroep voor de Examens is bevoegd tot het behandelen van een door betrokken ingesteld beroep ter zake van de in artikel 7.61 van de wet gestelde gevallen.

The Examination Appeals Board is authorized to deal with an appeal lodged by the party concerned in relation to the cases referred to in Article 7.61 of the Act.

### Artikel 6.3      *Wijzigingen*

### Article 6.3      *Amendments*

1. Wijzigingen in deze regeling worden door de decaan, gehoord de opleidingscommissie en na overleg met de facultetsraad, bij afzonderlijk besluit vastgesteld.
2. Een wijziging in deze regeling heeft geen betrekking op het lopende academisch jaar, tenzij de belangen van de student hierdoor niet worden geschaad.

1. Amendments to these Regulations will be adopted by the Dean in a separate decision, after hearing the Education Committee and after consultation with the School Council.
2. An amendment to these Regulations does not concern the current academic year unless it does not harm the interests of students.

### Artikel 6.4      *Bekendmaking*

### Article 6.4      *Publication*

1. De decaan draagt zorg voor een passende bekendmaking van deze regeling, van de Regels en Richtlijnen die door de examencommissie zijn vastgesteld, alsmede van elke wijziging van deze stukken.
2. Elke belangstellende kan bij het Education Support Team een exemplaar van de in het eerste lid bedoelde stukken verkrijgen.

1. The Dean is responsible for publishing these Regulations, the Rules and Guidelines laid down by the Examination Board, and any amendments to these documents.
2. Any interested person may obtain a copy of the documents referred to in paragraph 1 from the Education Support Team.

Deze regeling treedt in werking op 1 september 2023.

These Regulations will enter into force on September 1, 2023.

Aldus vastgesteld door de decaan op 29 augustus 2023.

Adopted by the Dean on August 29, 2023.

# Bijlage 1 Samenstelling van de opleidingen

# Appendix 1 Composition of the programs

## MSc Accountancy

Study program	1A300	Cohort 2023
Name	M Accountancy	
Total ECTS: 60	Academic Director	S.N.M. Vandenbogaerde MSc & Dr. J. Künneke
School: TiSEM	Education Coordinator	Drs. S.A.M.M. Blijlevens
Code	Description/Additional information	ECTS
<b>Year 1</b>		
<b>Block 1 (01-09 to 20-10)</b>		
<b>Compulsory courses</b>		
324062-M-6	Empirical Research in Accounting	6
324039-M-6	Management Accounting and Control	6
390307-M-12	MSc File Accountancy	0
<b>Extra Curricular</b>		
323100-M-0	<i>Not compulsory but recommended</i> Professional Skills and Character Development Accountancy	0
E30111-M-0	Career Development Accountancy	0
<b>Block 2 (23-10 to 26-01)</b>		
<b>Compulsory courses</b>		
323101-M-6	Information Systems and Data Analytics	6
390307-M-12	MSc File Accountancy	0
<b>Track choice</b>		
324069-M-6	Budgeting and Forecasting	6
324054-M-6	Advanced Auditing	6
<i>Advanced Auditing compulsory for future RA students</i>		
<b>Extra Curricular</b>		
323100-M-0	<i>Not compulsory but recommended</i> Professional Skills and Character Development Accountancy	0
E30111-M-0	Career Development Accountancy	0
<b>Block 3 (29-01 to 05-04)</b>		
<b>Compulsory courses</b>		
323059-M-6	Financial Statement Analysis & Valuation	6
324059-M-6	Financial Accounting and Reporting	6
390307-M-12	MSc File Accountancy	0
<b>Extra Curricular</b>		
323100-M-0	<i>Not compulsory but recommended</i> Professional Skills and Character Development Accountancy	0
E30111-M-0	Career Development Accountancy	0
<b>Block 4 (08-04 to 31-08)</b>		
<b>Compulsory courses</b>		
323102-M-6	Corporate Sustainability	6
390307-M-12	MSc File Accountancy	12
<b>Track choice</b>		
324070-M-6	Data-Driven Decision-Making	6
324028-M-6	Advanced Financial Accounting	6
<i>Advanced Financial Accounting compulsory for future RA students</i>		
<b>Extra Curricular</b>		
323100-M-0	<i>Not compulsory but recommended</i> Professional Skills and Character Development Accountancy	0
E30111-M-0	Career Development Accountancy	0

# MSc Business Analytics and Operational Research (BAOR)

Study program	1P320 - 2023	Cohort 2023
Name	M Business Analytics and Operations Research	
Total ECTS: 60	Academic Director	Dr. C. Dobre
School: TiSEM	Education Coordinator	S.C.M. de Bonth
Code	Description/Additional information	ECTS
<b>Year 1</b>		
<b>Fall semester (01-09 to 31-01)</b>		
<b>Compulsory Electives:</b>	<i>Select 30 ECTS from all Core courses in semester 1 and/or semester 2</i>	
<b>Core courses</b>		
350934-M-6	Decision Making under Uncertainty	6
35M2C3-M-6	Decision Making with Business Analytics <i>Unit 1 course</i>	6
35M3C5-M-6	Optimization	6
<b>Electives</b>	<i>Select 12 ECTS from the remaining Core courses and/or Electives, in semester 1 and/or semester 2</i>	
230903-M-30	LNMB- and/or Mastermath courses	30
328054-M-6	Customer Analytics <i>Unit 2 course</i>	6
35M1C5-M-6	Microeometrics	6
35M1C7-M-6	Panel Data Analysis of Microec.Decisions	6
35M1C9-M-6	Empirical Finance <i>Unit 1 course</i>	6
35M3C7-M-6	Operations Research and Machine Learning <i>Unit 2 course</i>	6
3BAO01-M-12	Other Electives BAOR	12
<b>Thesis</b>	<i>You can start the Master thesis as soon as you passed 30 ECTS of your Master program</i>	
390324-M-18	MSc Thesis BAOR	18
<b>Skills</b>	<i>Not compulsory but recommended as a preparation for the job market</i>	
E30141-M-0	Career Development BAOR	0
<b>Electives: Workshop</b>		
E30152-B-0	Software Workshops	0
<b>Spring semester (01-02 to 31-08)</b>		
<b>Compulsory Electives:</b>	<i>Select 30 ECTS from all Core courses in semester 1 and/or semester 2</i>	
<b>Core courses</b>		
325227-M-6	Supply Chain Analytics <i>Unit 3 course</i>	6
35M2C5-M-6	Professional Business Analytics Skills	6
35M2C6-M-6	Data Science Methods <i>Unit 3 course</i>	6
<b>Electives</b>	<i>Select 12 ECTS from the remaining Core courses and/or Electives, in semester 1 and/or semester 2</i>	
328043-M-6	Market Assessment <i>Unit 4 course</i>	6
35M1C2-M-6	Dynamic Real Investment <i>Unit 4 course</i>	6
35M2C1-M-6	Asset Liability Management <i>Unit 3 course</i>	6
35M3C4-M-6	Games and Cooperative Behavior	6
35M3C6-M-6	Time Series and their Applications <i>Unit 4 course</i>	6
3BAO01-M-12	Other Electives BAOR	12
<b>Thesis</b>	<i>You can start the Master Thesis as soon as you passed 30 ECTS of your Master program</i>	
390324-M-18	MSc Thesis BAOR	18
<b>Skills</b>	<i>Not compulsory but recommended as a preparation for the job market</i>	
E30141-M-0	Career Development BAOR	0
<b>Electives: Workshop</b>		
E30152-B-0	Software Workshops	0

## MSc Economics

<b>Study program</b>	<b>1D300</b>	<b>Cohort 2023</b>	
<b>Name</b>	<b>M Economics</b>		
Total ECTS: 60	Academic Director	Dr. B.A. Vollaard	
School: TiSEM	Education Coordinator	S.C.M. de Bonth	
For a better overview per track, please check the diamond table on: <a href="https://www.tilburguniversity.edu/education/masters-programmes/economics/program">https://www.tilburguniversity.edu/education/masters-programmes/economics/program</a>			
<b>Code</b>	<b>Description/Additional information</b>	<b>ECTS</b>	<b>Course is available for the following tracks:</b>
<b>Year 1</b>			
<b>Fall Semester (01-09 to 31-01)</b>			
<b>Compulsory courses</b>			
310153-M-3	Methods: Econometrics 1	3	All tracks
310167-M-3	Methods: Python Programming for Economists	3	All tracks
390303-M-15	MSc Thesis Economics <i>For February entrants</i>	15	All tracks
<b>TRACK CHOICE</b>			
310155-M-3	Methods: Experiments and Surveys	3	Track: Behavioral Economics Track: Sustainable Development
310161-M-6	Sem.Eco.&Psych.of Soc.Norms&Strat.Behav.	6	Track: Behavioral Economics
310157-M-3	Methods: Game Theory 2	3	Track: Competition & Regulation
310168-M-6	Seminar Data Science and Society	6	Track: Competition & Regulation Track: Data Science
310142-M-6	Seminar Financial Markets & Institutions	6	Track: Financial Economics
310150-M-6	Seminar Taxation	6	Track: Public Policy
310163-M-6	Seminar Sustainable Economic Growth	6	Track: Sustainable Development
<b>CLUSTERS</b>			
<b>Compulsory Optional Courses: Cluster A</b>	<b>Tracks BE, CR, DS and PP select 18 ECTS Track FE select 12 ECTS General track select 30 ECTS from cluster A in semester 1 or 2</b>	<b>Course is available for the following tracks:</b>	
323068-M-6	The Economics & Fin.of Pensions (Fall)	6	All tracks
300311-M-6	Free Elective Master Economics <i>Throughout the year: two 3 ECTS courses -or- one 6 ECTS course in semester 1 and/or 2</i>	6	All tracks
310142-M-6	Seminar Financial Markets & Institutions	6	All tracks except FE
310150-M-6	Seminar Taxation	6	All tracks except PP, FE
310161-M-6	Sem.Eco.&Psych.of Soc.Norms&Strat.Behav.	6	All tracks except BE
310163-M-6	Seminar Sustainable Economic Growth	6	All tracks
310164-M-6	Seminar Health Economics	6	All tracks
310168-M-6	Seminar Data Science and Society	6	All tracks except DS, CR
<b>Compulsory Optional Courses: Cluster RP</b>	<b>All tracks select 3 ECTS from Cluster AEA2 in semester 1 or 2</b>	<b>Course is available for the following tracks:</b>	
310169-M-3	Research Proposal <i>Videolectures of 310151-M-3 Applied Economic Analysis 2 (Spring)</i>	3	All tracks
<b>Compulsory Optional Courses: Cluster B</b>	<b>Track FE: select 6 ECTS from cluster B</b>	<b>Course is available for the following tracks:</b>	
323037-M-6	Corp. Governance & Social Responsibility	6	FE
323060-M-6	Investment Analysis	6	FE
<b>Compulsory Optional Courses: Cluster Game Theory</b>	<b>Track BE, PP and SD select 3 ECTS from cluster Game Theory</b>	<b>BE, PP, SD only</b>	
310156-M-3	Methods: Game Theory 1	3	BE, PP, SD
310157-M-3	Methods: Game Theory 2	3	BE, PP, SD
<b>Compulsory Optional Courses: Cluster M</b>	<b>Tracks CR, DS, FE, PP select 3 ECTS from cluster M in semester 1 or 2</b>		
310156-M-3	Methods: Game Theory 1	3	CR, DS, FE
310157-M-3	Methods: Game Theory 2	3	DS, FE
310155-M-3	Methods: Experiments and Surveys	3	BE, CR, DS
<b>Extra Curricular</b>			
330014-M-3	Seminar Gender Economics	3	ALL TRACKS
<b>Optional Courses: Skills</b>	<b>Not compulsory but recommended</b>		
E30112-M-0	Career Development Economics	0	extra curricular

## Spring Semester (01-02 to 31-08)

### Compulsory courses

390303-M-15	MSc Thesis Economics <i>For September entrants and February entrants</i>	15	All tracks
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TRACK CHOICE		MANDATORY FOR	
310160-M-6	Sem. Eco. & Psychology of Risk & Time	6	Track: Behavioral Economics
330080-M-6	Seminar Competition Policy	6	Track: Competition & Regulation
310154-M-3	Methods: Econometrics 2	3	Track: Data Science Track: Public Policy
310170-M-6	Seminar Data Science for Economics	6	Track: Data Science
310141-M-6	Seminar Financial Economics	6	Track: Financial Economics
330078-M-6	Seminar Labor Economics	6	Track: Public Policy
310162-M-6	Sem. Environmental & Resource Economics	6	Track: Sustainable Development

### CLUSTERS

Compulsory Optional Courses: Cluster A	<b>Tracks BE, CR, and PP select 18 ECTS</b> <b>Track DS select 15 ECTS</b> <b>Track FE select 12 ECTS</b> <b>General track select 30 ECTS</b>	<i>Course is available for the following tracks:</i>	
300311-M-6	Free Elective Master Economics <i>Throughout the year: two 3 ECTS courses -or- pme 6 ECTS course in semester 1 and/or 2</i>	6	All tracks
310141-M-6	Seminar Financial Economics	6	All tracks except FE
310160-M-6	Sem. Eco. & Psychology of Risk & Time	6	All tracks except BE
310162-M-6	Sem. Environmental & Resource Economics	6	All tracks except SD
310170-M-6	Seminar Data Science for Economics	6	All tracks except DS
330078-M-6	Seminar Labor Economics	6	All tracks except PP
330080-M-6	Seminar Competition Policy	6	All tracks except LE
Compulsory Optional Courses: Cluster RP	<b>All tracks select 3 ECTS from Cluster RP in semester 1 or 2</b>		
310151-M-3	Research Proposal <i>Recommended for both September and February entrants. Spring = class course</i>	All tracks	
Compulsory Optional Courses: Cluster M	<b>All tracks select 3 ECTS from cluster M in semester 1 or 2</b>		
310154-M-3	Methods: Econometrics 2	3	all tracks except DS, PP, SD
Optional Courses: Skills	<i>Not compulsory but recommended</i>		
E30112-M-0	Career Development Economics	extra curricular	

## MSc Econometrics and Mathematical Economics (EME)

Study program	1C300-2023 <b>M Econometrics and Mathematical Economics</b>	Cohort 2023
Name	Academic Director : Dr. O. Boldea Education Coordinator : S.C.M. de Bonth	
Code	Description/Additional information	ECTS
<b>Year 1</b>		
<b>Fall semester (01-09 to 31-01)</b>		
<b>Core courses</b>	<b>Select 24 ECTS from Core courses in semester 1 and/or semester 2</b>	
325133-M-6	Games and Economic Models <i>Block 1 course</i>	6
35M1C5-M-6	Microeconomics	6
35M1C7-M-6	Panel Data Analysis of Microec.Decisions	6
35M1C9-M-6	Empirical Finance <i>Block 1 course</i>	6
<b>Electives</b>	<b>Select 18 ECTS from remaining in Core courses and/or Electives in semester 1 and/or 2</b>	
323068-M-6	The Economics & Fin.of Pensions (Fall) <i>Block 2 course</i>	6
328054-M-6	Customer Analytics <i>Block 2 course</i>	6
35M2C3-M-6	Decision Making with Business Analytics <i>Block 1 course</i>	6
3EME01-M-18	Other Electives EME	18
<b>Thesis</b>	<b>You can start writing your master thesis as soon as you passed 30 ECTS of your master program</b>	
390302-M-18	MSc Thesis EME	18
<b>Optional courses: Workshop</b>		
E30152-B-0	Software Workshops	0
<b>Skills</b>	<i>Not compulsory but recommended as a preparation for the job market</i>	
E30153-M-0	Career Development EME	0
<b>Spring semester (01-02 to 31-08)</b>		
<b>Core courses</b>	<b>Select 24 ECTS from Core courses in semester 1 and/or 2</b>	
325134-M-6	Dynamic Economic Models	6
35M2C6-M-6	Data Science Methods <i>Block 3 course</i>	6
35M3C6-M-6	Time Series and their Applications <i>Block 4 course</i>	6
<b>Electives</b>	<b>Select 18 ECTS from remaining in Core courses and/or Electives in semester 1 and/or 2</b>	
35M1C2-M-6	Dynamic Real Investment <i>Block 4 course</i>	6
35M2C1-M-6	Asset Liability Management <i>Block 3 course</i>	6
35M2C5-M-6	Professional Business Analytics Skills	6
35M3C4-M-6	Games and Cooperative Behavior	6
3EME01-M-18	Other Electives EME	18
<b>Thesis</b>	<b>You can start writing your master thesis as soon as you passed 30 ECTS of your master program</b>	
390302-M-18	MSc Thesis EME	18
<b>Optional courses: Workshop</b>		
E30152-B-0	Software Workshops	0
<b>Skills</b>	<i>Not mandatory but recommended as a preparation for the job market.</i>	
E30153-M-0	Career Development EME	0

# MSC Fiscale Economie

Study Program	1F300 <b>M Fiscale Economie</b>	Cohort 2023
Name		
Total ECTS: 60	Academic Director	: Dr. F.J. Elsweier
Faculty: TiSEM	Education Coordinator	: Mr. drs. H. de Brujin
Code	Omschrijving/Toelichting	ECTS
<b>Jaar 1</b>		
<b>Najaarssemester (01-09 t/m 31-01)</b>		
<b>Verplichte vakken</b>		
390305-M-18	MSc Thesis Fiscale Economie <i>Semester 1 en 2</i>	18
695228-M-6	Methodologie van het belastingrecht	6
695230-M-6	Cap. sel. belastingheffing particulieren	6
TRACK GENERAL		
<b>Verplichte keuzevakken: Cluster TAX</b> <i>Kies voor 6 ECTS uit cluster TAX</i>		
695029-M-6	Comprehensive Case Stud. Eur&Int.Tax Law	6
695234-M-6	Successiewet en WBR (Master)	6
620041-M-6	Geschiedenis van het belastingrecht	6
<b>Verplichte keuzevakken: Cluster TAXECO</b> <i>Kies voor 12 ECTS uit cluster TAXECO</i>		
695040-M-6	Tax Assurance 1	6
695042-M-6	Transfer Pricing	6
695527-M-6	Tax and Technology (VU)	6
695050-M-6	Wintercourse	6
TRACK Indirecte Belastingen		
<b>Verplichte keuzevakken: Cluster A</b> <i>Kies voor 18 ECTS uit Cluster A</i>		
107240-M-6	European Value Added Tax (UM)	6
695050-M-6	Wintercourse	6
<b>Keuzevakken: Vaardigheden</b> <i>Niet verplicht, maar aanbevolen</i>		
E30117-M-0	Career Development MSc Fiscale Economie	0
<b>Voorjaarssemester (01-02 t/m 31-08)</b>		
<b>Verplichte vakken</b>		
390305-M-18	MSc Thesis Fiscale Economie <i>Semester 1 en 2</i>	18
695235-M-6	Capita selecta Vennootschapsbelasting	6
695236-M-6	CS Europees en internat. belastingrecht	6
TRACK GENERAL		
<b>Verplichte keuzevakken: Cluster TAX</b> <i>Kies voor 6 ECTS uit cluster TAX</i>		
695227-M-6	Capita selecta Omzetbelasting	6
695420-M-6	Pensions and Tax	6
<b>Verplichte keuzevakken: Cluster TAXECO</b> <i>Kies voor 12 ECTS uit cluster TAXECO</i>		
650443-M-6	Bedrijfsopvolging van familiebedrijven	6
695041-M-6	Tax Assurance 2	6
695526-M-6	Tax and Technology (TiU)	6
695050-M-6	Wintercourse	6
TRACK Indirecte Belastingen		
<b>Verplichte keuzevakken: Cluster A</b> <i>Kies voor 18 ECTS uit Cluster A</i>		
107462-M-6	Indir.Belastingen en Intern.Handel (VU)	6
695044-M-6	Indirect Tax Assurance	6
695227-M-6	Capita selecta Omzetbelasting	6
695050-M-6	Wintercourse	6
<b>Keuzevakken: Vaardigheden</b> <i>Niet verplicht, maar aanbevolen</i>		
E30117-M-0	Career Development MSc Fiscale Economie	0

## MSc Finance

<b>Study program</b>	<b>29300</b>	<b>Cohort 2023</b>
<b>Name</b>	<b>M Finance</b>	
Total ECTS: 60	Academic Director	Dr. P.C. de Goeij
Faculty: TiSEM	Education Coordinator	L. van der Heijden
<b>Code</b>	<i>Description/Additional information</i>	<i>ECTS</i>
<b>Year 1</b>		
<b>Block 1 (28-08 to 20-10)</b>		
<b>Compulsory Courses</b>		
323040-M-6	Advanced Corporate Finance	6
323060-M-6	Investment Analysis	6
323063-M-6	Empirical Methods in Finance <i>Semester 1 course</i>	6
<b>Optional Courses: Skills</b>		
E30116-M-0	<i>Not compulsory but recommended</i> Career Development Finance	0
<b>Block 2 (23-10 to 26-01)</b>		
<b>Compulsory Courses</b>		
323063-M-6	Empirical Methods in Finance <i>Semester 1 course</i>	6
<b>Optional Courses: Skills</b>		
E30116-M-0	<i>Not compulsory but recommended</i> Career Development Finance	0
<b>TRACK CHOICE in OSIRIS</b>		
<b>TRACK GENERAL</b>		
<b>Compulsory Optional Courses:</b> <i>Select 24 ECTS from Cluster A in Unit 2 and/or 3</i>		
323037-M-6	Corp. Governance & Social Responsibility	6
323039-M-6	Asset Allocation & Sustainable Investing	6
323058-M-6	Corp. Valuation, Restructuring and M&A's	6
323068-M-6	The Economics & Fin.of Pensions (Fall)	6
325017-M-6	Derivative Securities	6
323067-M-6	Banking and Financial Intermediation	6
323080-M-6	Data Science Methods in Finance	6
<b>TRACK Chartered Financial Analyst</b>		
<b>Compulsory Optional Courses:</b> <i>Select 18 ECTS from Cluster A in Unit 2 and/or 3</i>		
323037-M-6	Corp. Governance & Social Responsibility	6
323039-M-6	Asset Allocation & Sustainable Investing	6
325017-M-6	Derivative Securities	6
323080-M-6	Data Science Methods in Finance	6
<b>TRACK Sustainable Finance</b> <i>Choose at least 12 ECTS from cluster A in unit 2</i>		
<b>Compulsory Optional Courses:</b>		
323037-M-6	Corp. Governance & Social Responsibility	6
323039-M-6	Asset Allocation & Sustainable Investing	6
<b>Compulsory Optional Courses:</b>		
323058-M-6	Corp. Valuation, Restructuring and M&A's	6
323067-M-6	Banking and Financial Intermediation	6
323068-M-6	The Economics & Fin.of Pensions (Fall)	6
325017-M-6	Derivative Securities	6
<b>TRACK Data Science</b>		
<b>Compulsory Courses</b>		
323080-M-6	Data Science Methods in Finance	6
<b>Compulsory Optional Courses:</b> <i>Select 12 ECTS from cluster A, in Unit 2 and/or 3.</i>		
323039-M-6	Asset Allocation & Sustainable Investing	6
325017-M-6	Derivative Securities	6

<b>Block 3 (29-01 to 19-04)</b>		
<b>Optional Courses: Skills</b>	<b>Not compulsory but recommended</b>	
E30116-M-0	Career Development Finance	0
<b>TRACK CHOICE in OSIRIS</b>		
<b>TRACK GENERAL</b>		
<b>Compulsory Optional Courses:</b>	<b>Select 24 ECTS from Cluster A in Unit 2 and/or 3</b>	<b>24</b>
323059-M-6	Financial Statement Analysis & Valuation	6
323062-M-6	Entrepreneurial Finance	6
323076-M-6	Fixed Income Analysis	6
323081-M-6	Sustainable Finance & Value Creation	6
323103-M-6	Finance Applications in Data Science	6
<b>TRACK Chartered Financial Analyst</b>		
<b>Compulsory Courses</b>		
323059-M-6	Financial Statement Analysis & Valuation	6
<b>Compulsory Optional Courses:</b>	<b>Select 18 ECTS from Cluster A in Unit 2 and/or 3</b>	<b>18</b>
323081-M-6	Sustainable Finance & Value Creation	6
323076-M-6	Fixed Income Analysis	6
<b>TRACK Sustainable Finance</b>	<b>Choose at least 12 ECTS from cluster A in unit 2</b>	<b>24</b>
<b>Compulsory Optional Courses:</b>		
323081-M-6	Sustainable Finance & Value Creation	6
<b>Compulsory Optional Courses:</b>		
323059-M-6	Financial Statement Analysis & Valuation	6
323062-M-6	Entrepreneurial Finance	6
323076-M-6	Fixed Income Analysis	6
323081-M-6	Sustainable Finance & Value Creation	6
<b>TRACK Data Science</b>		
<b>Compulsory Courses</b>		
323103-M-6	Finance Applications in Data Science	6
<b>Compulsory Optional Courses:</b>	<b>Select 12 ECTS from cluster A, in Unit 2 and/or 3.</b>	<b>12</b>
323076-M-6	Fixed Income Analysis	6
323059-M-6	Financial Statement Analysis & Valuation	6
<b>Block 4 (06-05 to 31-08)</b>		
<b>Compulsory Courses</b>	<b>In order to start the MSc Thesis, the Bachelor program needs to be completed and 30 ECTS of the Master program needs to be passed</b>	<b>18</b>
390320-M-18	MSc Thesis Finance <i>For Sustainable Finance track and for Data science track the thesis topic needs to be related to the track.</i>	18
<b>Optional Courses: Skills</b>	<b>Not compulsory but recommended</b>	
E30116-M-0	Career Development Finance	0

## MSc Information Management

<b>Study program</b>	<b>1G300</b>	<b>Cohort 2023</b>
<b>Name</b>	<b>M Information Management</b>	
Total ECTS: 60	Academic Director	: Dr. H. Weigand
School: TiSEM	Education Coordinator	: H. Koçak
<b>Code</b>	<b>Description/Additional information</b>	<b>ECTS</b>
<b>Year 1</b>		
<b>Block 1 (28-08 to 20-10)</b>		<b>12</b>
<b>Compulsory Courses</b>		
320123-M-6	Cybersecurity Risk Management	6
320124-M-6	IT Governance and Strategic Sourcing	6
<b>Compulsory Optional Courses: Cluster A</b>		<i>Select 18 ECTS from Cluster A (Block 1 and 2 are advised for September entrants)</i>
320062-M-6	Business Process Integration	6
320099-M-6	Interactive Data Transformation	6
<b>Optional Courses: Skills</b>		<i>Highly recommended</i>
E30113-M-0	Career Development IM	0
<b>Block 2 (23-10 to 26-01)</b>		
<b>Compulsory Optional Courses: Cluster A</b>		
	<i>Select 18 ECTS from Cluster A (Block 1 and 2 are advised for September entrants)</i>	
320082-M-6	Service Oriented Enterprise	6
320091-M-6	Business Analytics and Emerging Trends	6
320102-M-6	Advanced Data Management	6
<b>MSc Thesis</b>		<i>September entrants can start writing their Thesis in Block 4, February entrants can start writing their Thesis in Block 2</i>
390306-M-18	MSc Thesis Information Management	18
<b>Optional Courses: Skills</b>		<i>Highly recommended</i>
E30113-M-0	Career Development IM	0
<b>Block 3 (29-01 to 05-04)</b>		
<b>Compulsory courses</b>		
320084-M-6	Enterpr. Architecture as a Bus. Strategy	6
320092-M-6	Business Intelligence & Business Analytics	6
<b>Compulsory Optional Courses: Cluster A</b>		<i>Select 18 ECTS from Cluster A (Block 3 and 4 advised for February entrants)</i>
325232-M-6	Data-driven Design Approaches in SCM	6
<b>Optional Courses: Skills</b>		<i>Highly recommended</i>
E30113-M-0	Career Development IM	0
<b>Block 4 (08-04 to 31-08)</b>		
<b>Compulsory Optional Courses: Cluster A</b>		
	<i>Select 18 ECTS from Cluster A (Block 3 and 4 advised for February entrants)</i>	
320103-M-6	Digital Platforms	6
320096-M-6	Project Mgt: People and Technology	6
320101-M-6	Digital Transformation and Innovation	6
<b>MSc Thesis</b>		<i>September entrants can start writing their Thesis in Block 4, February entrants can start writing their Thesis in Block 2</i>
390306-M-18	MSc Thesis Information Management	18
<b>Optional Courses: Skills</b>		<i>Highly recommended</i>
E30113-M-0	Career Development IM	0

## MSc International Management

<b>Study program</b>	<b>27300-2023</b>	<b>Cohort 2023</b>
<b>Name</b>	<b>M International Management</b>	
Total ECTS: 180	Academic Director	Dr. L.M.A. Mulotte
School: TiSEM	Education Coordinator	N. Donkers MA
<i>Code</i>	<i>Description/Additional information</i>	<i>ECTS</i>
<b>Year 1</b>		
<b>Block 1 (28-08 to 20-10)</b>		
<b>Compulsory courses</b>		<b>15</b>
320121-M-6	Management Control Systems	6
323070-M-3	Management Consulting	3
328253-M-6	International Marketing	6
<b>Skills</b>	<i>Career events are highly recommended as they prepare you for the job market.</i>	
E30140-M-0	Career Development IMGT	0
<b>Block 2 (23-10 to 26-01)</b>		
<b>Cluster A</b>	<i>Select 6 ECTS from cluster A (semester 1 and 2)</i>	
323074-M-6	Research Skills MSc IMGT (Fall)	6
<b>Cluster B</b>	<i>Select 6 ECTS from cluster B (semester 1 and 2)</i>	
323071-M-6	Corporate Responsibility and Sustainability A	6
<b>Thesis</b>	<i>February entrants can start write their Thesis in Block 2</i>	
390323-M-18	MSc Thesis International Management	18
<b>Skills</b>	<i>Career events are highly recommended as they prepare you for the job market</i>	
E30140-M-0	Career Development IMGT	0
<b>Block 3 (29-01 to 05-04)</b>		
<b>Compulsory courses</b>		<b>15</b>
320122-M-6	International Finance	6
323073-M-3	Diversity Management	3
325047-M-6	International Management	6
<b>Skills</b>	<i>Career events are highly recommended as they prepare you for the job market</i>	
E30140-M-0	Career Development IMGT	0
<b>Block 4 (08-04 to 31-08)</b>		
<b>Cluster A</b>	<i>Select 6 ECTS from cluster A (semester 1 and 2)</i>	
323075-M-6	Research Skills MSc IMGT (Spring)	6
<b>Cluster B</b>	<i>Select 6 ECTS from cluster B (semester 1 and 2)</i>	
323072-M-6	Corporate Responsibility and Sustainability B	6
<b>Thesis</b>	<i>September entrants can start write their Thesis in Block 4</i>	
390323-M-18	MSc Thesis International Management	18
<b>Skills</b>	<i>Career events are highly recommended as they prepare you for the job market</i>	
E30140-M-0	Career Development IMGT	0

<b>Study programme</b>	<b>1N300-2023</b>	<b>Cohort 2023</b>
<b>Name</b>	<b>M Marketing Analytics</b>	
Total ECTS: 60	Academic Director	Dr. A.I.J.G. van Lin
Faculty: TiSEM	Program Coordinator	L. van der Heijden
<b>Code</b>	<i>Description/Additional information</i>	<i>ECTS</i>
<b>Year 1</b>		
<b>Block 1 (28-08 to 20-10)</b>		
<b>Compulsory Courses: Cluster A and B</b>	<i>September entrants only</i>	
328049-M-6	Intro. to Research in Marketing (Fall) <i>Cluster A</i>	6
328059-M-3	Skills: Data Prep.&Workflow Mgt (Fall) <i>Cluster B</i>	3
328060-M-3	Skills: Online Data Coll. & Mgt (Fall) <i>Cluster B</i>	3
<b>Compulsory Optional Courses:</b>	<i>Select 6 ECTS from cluster D courses throughout the year</i>	
<b>Cluster D</b>		
328244-M-6	Marketing Channel Management	6
<b>MSc Thesis</b>	<i>See Canvas page Master Thesis Marketing (Marketing Management / Marketing Analytics); start depending on entry moment</i>	
390325-M-18	MSc Thesis Marketing Analytics (February entrants)	18
<b>Optional Courses: Skills</b>	<i>Career events are not compulsory but recommended as they can prepare you for the labor market</i>	
E30110-M-0	Career Development Marketing	0
<b>Block 2 (23-10 to 26-01)</b>		
<b>Compulsory courses</b>		
328054-M-6	Customer Analytics	6
328063-M-6	Pricing and Revenue Analytics	6
<b>Compulsory Optional Courses:</b>	<i>Select 6 ECTS from cluster C courses throughout the year</i>	
<b>Cluster C</b>		
230325-M-6	Marketing Models	6
328065-M-6	Consumer Research (Fall)	6
328053-M-6	Conjoint Analysis	6
<b>MSc Thesis</b>	<i>See Canvas page Master Thesis Marketing (Marketing Management / Marketing Analytics); start depending on entry moment</i>	
390325-M-18	MSc Thesis Marketing Analytics (February entrants)	18
<b>Optional Courses: Skills</b>	<i>Career events are not compulsory but recommended as they can prepare you for the labor market</i>	
E30110-M-0	Career Development Marketing	0

## **Block 3 (29-01 to 05-04)**

<b>Compulsory Courses: Cluster A and B</b>	<i>February entrants only</i>	
328050-M-6	Intro. to Research in Marketing (Spring) <i>Cluster A</i>	6
328061-M-3	Skills: Online Data Coll.&Mgt (Spring) <i>Cluster B</i>	3
328062-M-3	Skills: Data Prep.&Workflow Mgt (Spring) <i>Cluster B</i>	3
<b>Compulsory Optional Courses:</b>	<b>Select 6 ECTS from cluster D courses throughout the year</b>	
<b>Cluster D</b>		
328251-M-6	Strategic Marketing Management	6
<b>MSc Thesis</b>	<i>See Canvas page Master Thesis Marketing (Marketing Management / Marketing Analytics); start depending on entry moment</i>	
390325-M-18	MSc Thesis Marketing Analytics (September entrants)	18
<b>Optional Courses: Skills</b>	<i>Career events are not compulsory but recommended as they can prepare you for the labor market</i>	
328055-M-2	L'Oreal Brandstorm Challenge <i>If you pass this extra curricular activity, you earn 2 ECTS on top of your program.</i>	2
E30110-M-0	Career Development Marketing	0

## **Block 4 (08-04 to 31-08)**

<b>Compulsory course</b>		
300459-M-6	Social Media and Web Analytics	6
<b>Compulsory Optional Courses:</b>	<b>Select 6 ECTS from cluster C courses throughout the year</b>	
<b>Cluster C</b>		
300438-M-6	Consumer Research (Spring)	6
<b>MSc Thesis</b>	<i>See Canvas page Master Thesis Marketing (Marketing Management / Marketing Analytics); start depending on entry moment</i>	
390325-M-18	MSc Thesis Marketing Analytics (September entrants)	18
<b>Optional Courses: Skills</b>	<i>Career events are not compulsory but recommended as they can prepare you for the labor market</i>	
E30110-M-0	Career Development Marketing	0

## Marketing Management

<b>Study programme</b>	<b>1M300-2023</b>	<b>Cohort 2023</b>
<b>Name</b>	<b>M Marketing Management</b>	
Total ECTS: 60 ECTS	Academic Director	Dr. A.A.M. Bosmans
Faculty: TiSEM	Education Coordinator	L. van der Heijden
<i>Code</i>	<i>Description/Additional information</i>	<i>ECTS</i>
<b>Year 1</b>		
<b>Block 1 (28-08 to 20-10)</b>		
<b>Compulsory: September entrants only</b>		
328049-M-6	Intro. to Research in Marketing (Fall)	6
<b>Compulsory Courses</b>		
328032-M-6	Brand Management	6
328244-M-6	Marketing Channel Management	6
<b>Compulsory Optional Courses:</b> <i>Select 12 ECTS from cluster B courses throughout the year - Advised for September entrants</i>		
<b>Cluster B</b>		
328253-M-6	International Marketing <i>Advised for February entrants only</i>	6
<b>MSc Thesis</b>		
390311-M-18	See Canvas page Master Thesis Marketing (Marketing Management / Marketing Analytics); start depending on entry moment MSc Thesis Marketing Management <i>February entrants</i>	18
<b>Extra curricular</b>		
E30110-M-0	<i>Career events are not compulsory but recommended as they can prepare you for the labor market</i> Career Development Marketing	0
<b>Block 2 (23-10 to 26-01)</b>		
<b>Compulsory Optional Courses:</b> <i>Select 12 ECTS from cluster B courses throughout the year - Advised for September entrants</i>		
<b>Cluster B</b>		
328053-M-6	Conjoint Analysis	6
328064-M-6	Digital Media	6
328065-M-6	Consumer Research (Fall)	6
<b>MSc Thesis</b>		
390311-M-18	See Canvas page Master Thesis Marketing (Marketing Management / Marketing Analytics); start depending on entry moment MSc Thesis Marketing Management <i>February entrants</i>	18
<b>Extra curricular</b>		
E30110-M-0	<i>Career events are not compulsory but recommended as they can prepare you for the labor market</i> Career Development Marketing	0

## **Block 3 (29-02 to 05-04)**

### **Compulsory: February entrants only**

328050-M-6	Intro. to Research in Marketing (Spring)	6
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### **Compulsory courses**

328248-M-6	Marketing Communication	6
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328251-M-6	Strategic Marketing Management	6
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**MSc Thesis** *See Canvas page Master Thesis Marketing (Marketing Management / Marketing Analytics); start depending on entry moment*

390311-M-18	MSc Thesis Marketing Management	18
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*September entrants*

**Extra curricular** *Career events are not compulsory but recommended as they can prepare you for the labor market*

<b>328055-M-2</b>	L'Oreal Brandstorm Challenge	2
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E30110-M-0	If you pass this extra curricular activity, you earn 2 ECTS on top of your program	
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Career Development Marketing 0

## **Block 4 (08-04 to 31-08)**

**Compulsory Optional Courses:** *Select 12 ECTS from cluster B courses throughout the year - Advised for February entrants*

<b>Cluster B</b>		
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300438-M-6	Consumer Research (Spring)	6
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328043-M-6	Market Assessment	6
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350933-M-6	Pricing and Monetization Strategies	6
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**MSc Thesis** *See Canvas page Master Thesis Marketing (Marketing Management / Marketing Analytics); start depending on entry moment*

390311-M-18	MSc Thesis Marketing Management	18
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*September entrants*

**Extra curricular** *Career events are not compulsory but recommended as they can prepare you for the labor market*

E30110-M-0	Career Development Marketing	0
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# MSc Quantitative Finance and Actuarial Science (QFAS)

Study program	1Q300	Cohort 2023
Name	M Quantitative Finance and Actuarial Science	
Total ECTS: 60	Academic Director	Prof. dr. A.M.B. de Waegenaere
School: TiSEM	Education Coordinator	S.C.M. de Bonth
Code	Description/Additional information	ECTS
<b>Year 1</b>		
<b>Fall semester (01-09 to 31-01)</b>		
<b>Optional Course</b>	<b>Strongly advised</b>	
1Q3001-M-0	Quantitative Finance Basics	0
<b>Compulsory Optional Courses: Core</b>	<b>Select 24 ECTS from Core courses in semester 1 and/or 2</b>	
325224-M-6	Valuation and Risk Management	6
35M1C9-M-6	Empirical Finance <i>Block 1 course</i>	6
35M2C7-M-6	Risk and Regulation	6
<b>Compulsory Optional Courses:</b>	<b>Select 18 ECTS from the remaining Core course and/or Electives in semester 1 and/or 2</b>	
<b>Electives</b>		
323068-M-6	The Economics & Fin.of Pensions (Fall) <i>Block 2 course</i>	6
350934-M-6	Decision Making under Uncertainty	6
35M1C7-M-6	Panel Data Analysis of Microec.Decisions	6
35M3C7-M-6	Operations Research and Machine Learning	6
35M3C8-M-6	Simulation methods in Econometrics, unit 2 course <i>Block 2 course</i>	6
3QFA01-M-18	Other Electives QFAS	18
<b>MSc Thesis</b>	<b>You can start writing your Master thesis as soon as you passed 30 ECTS of your Master program</b>	
390314-M-18	MSc Thesis QFAS	18
<b>Optional Courses: Workshop</b>		
E30152-B-0	Software Workshops	0
<b>Optional Courses: Skills</b>	<b>Not mandatory but recommended as a preparation for the job market</b>	
E30154-M-0	Career Development QFAS	0
<b>Spring semester (01-02 to 31-08)</b>		
<b>Optional Course</b>	<b>Strongly advised</b>	
1Q3001-M-0	Quantitative Finance Basics	0
<b>Compulsory Optional Courses: Core</b>	<b>Select 24 ECTS from Core courses in semester 1 and/or 2</b>	
35M2C1-M-6	Asset Liability Management <i>unit 3 course</i>	6
35M2C6-M-6	Data Science Methods <i>unit 3 course</i>	6
<b>Compulsory Optional Courses:</b>	<b>Select 18 ECTS from the remaining Core Courses and/or Electives in semester 1 and/or 2</b>	
<b>Electives</b>		
35M1C2-M-6	Dynamic Real Investment <i>Block 4 course</i>	6
35M2C5-M-6	Professional Business Analytics Skills	6
35M3C6-M-6	Time Series and their Applications <i>Block 4 course</i>	6
3QFA01-M-18	Other Electives QFAS	18
<b>MSc Thesis</b>	<b>You can start writing your master thesis as soon as you passed 30 ECTS of your master program</b>	
390314-M-18	MSc Thesis QFAS	18
<b>Optional Courses: Workshop</b>		
E30152-B-0	Software Workshops	0
<b>Optional Courses: Skills</b>	<b>Not mandatory but recommended as a preparation for the job market</b>	
E30154-M-0	Career Development QFAS	0

<b>Study program</b>	<b>1R301-2022</b>	<b>Cohort 2023</b>
<b>Name</b>	<b>M Strategic Management: track Strategic Consultancy</b>	
Total ECTS: 60	Academic Director	Dr. M.A.H. Groen
School: TiSEM	Education Coordinator	H. Koçak
<b>Code</b>	<b>Description/Additional information</b>	\
<b>Year 1</b>		
<b>Block 1 (28-08 to 20-10)</b>		
<b>Compulsory Courses</b>		<b>18</b>
323038-M-6	Corporate-Level Strategy	6
325079-M-6	Business-Level Strategy	6
325101-M-6	International Strategy (Fall)	6
<b>Optional Courses: Skills</b>	<b><i>Highly recommended</i></b>	
E30114-M-0	Career Development Strategic Management	0
<b>Block 2 (23-10 to 26-01)</b>		
<b>Compulsory Courses</b>		<b>12</b>
325085-M-6	Research Skills MSM (Fall)	6
325132-M-6	Strategy Analytics	6
<b>Optional Courses: Skills</b>	<b><i>Highly recommended</i></b>	
E30114-M-0	Career Development Strategic Management	0
<b>Block 3 (29-01 to 05-04)</b>		
<b>Compulsory Courses</b>		<b>12</b>
325087-M-6	Strategic Consultancy	6
325088-M-6	Strategy Implementation	6
<b>MSc Thesis</b>		
390315-M-18	MSc Thesis Strategic Management	0
	<i>The thesis period includes two blocks, always starts in block 3 (block 3+4)</i>	
<b>Optional Courses: Skills</b>	<b><i>Highly recommended</i></b>	
E30114-M-0	Career Development Strategic Management	0
<b>Block 4 (08-04 to 31-08)</b>		
<b>MSc Thesis</b>		<b>18</b>
390315-M-18	MSc Thesis Strategic Management	18
	<i>The thesis period includes two blocks, always starts in block 3 (block 3+4)</i>	
<b>Optional Courses: Skills</b>	<b><i>Highly recommended</i></b>	
E30114-M-0	Career Development Strategic Management	0

<b>Study program</b>	<b>1R302-2022</b>	<b>Cohort 2023</b>
<b>Name</b>	<b>M Strategic Management: track Entrepreneurship</b>	
Total ECTS: 60	Academic Director	Dr. M.A.H. Groen
School: TiSEM	Program Coordinator	H. Koçak
<b>Code</b>	<i>Description/Additional information</i>	<i>ECTS</i>
<b>Year 1</b>		
<b>Block 1 (28-08 to 20-10)</b>		
<b>Compulsory Courses</b>	<b><i>Unit 3 for February entrants - Unit 1 of the next Academic Year: August - October 2023</i></b>	<b>12</b>
323038-M-6	Corporate-Level Strategy	6
325079-M-6	Business-Level Strategy	6
390315-M-18	MSc Thesis Strategic Management <i>Thesis period includes two blocks, always starts in block 3 (block 3+4) for February entrants</i>	0
<b>Optional Courses: Skills</b>	<b><i>Highly recommended</i></b>	
E30114-M-0	Career Development Strategic Management	0
<b>Block 2 (23-10 to 26-01)</b>		
<b>Compulsory Courses</b>	<b><i>Unit 4 for February entrants - Unit 2 of the next Academic Year: November - December 2023</i></b>	<b>18</b>
390315-M-18	MSc Thesis Strategic Management <i>Thesis period includes two blocks, always starts in block 3 (block 3+4) for February entrants</i>	18
<b>Optional Courses: Skills</b>	<b><i>Highly recommended</i></b>	
E30114-M-0	Career Development Strategic Management	0
<b>Block 1 (29-01 to 05-04)</b>		
<b>Compulsory Courses</b>	<b><i>Unit 1 for February entrants - Unit 3 of the current Academic Year: February - March 2023</i></b>	<b>18</b>
325088-M-6	Strategy Implementation	6
325089-M-6	Sustainable Entrepreneurship	6
325102-M-6	International Strategy (Spring)	6
<b>Optional Courses: Skills</b>	<b><i>Highly recommended</i></b>	
E30114-M-0	Career Development Strategic Management	0
<b>Block 2 (08-04 to 31-08)</b>		
<b>Compulsory Courses</b>	<b><i>Unit 2 for February entrants - Unit 4 of the current Academic Year: April – May 2023</i></b>	<b>12</b>
325081-M-6	Corporate Entrepreneurship	6
325086-M-6	Research Skills MSM (Spring)	6
<b>Optional Courses: Skills</b>	<b><i>Highly recommended</i></b>	
E30114-M-0	Career Development Strategic Management	0

## MSC Supply Chain Management

<b>Study program</b>	<b>28300 FALL</b>	<b>Cohort 2023</b>
<b>Study program</b>	<b>28302 SPRING</b>	
<b>Name</b>	<b>: M Supply Chain Management</b>	
Total ECTS: 60	Academic Director	: Dr. ir. C.M.H. Kuijpers
School: TiSEM	Education Coordinator	: N. Donkers MA
<i>Code</i>	<i>Omschrijving/Toelichting</i>	<i>ECTS</i>

### Year 1

#### Block 1 (28-08 to 20-10 2023)

##### Compulsory courses

325239-M-6	Supply Chain Design and Planning	6
325240-M-6	Supply Chain Strategy	6
325236-M-6	Research Methods in SCM (fall) <i>Fall entrants only</i> <i>Semester 1 course</i>	6
<b>Thesis</b>	<b><i>Entry requirement: you need to have passed SCM Thesis Proposal and Literature Study</i></b>	
390326-M-18	MSc Thesis SCM (as of 22-23) <i>Spring entrants</i> <i>Semester 1 course</i>	0

##### Optional Courses: Skills

E30115-M-0	<b><i>Not compulsory but recommended</i></b>	
	Career Development SCM	0

#### Block 2 (23-10 to 26-01)

##### Compulsory Courses

325233-M-6	Collaboration in SCM and Advanced Topics (fall) <i>Fall entrants only</i>	6
325234-M-3	Data Science Skills (fall) <i>Fall entrants only</i>	3
325238-M-6	SCM Thesis Proposal and Literature Study (fall) <i>Fall entrants only</i>	3
325236-M-6	Research Methods in SCM (fall) <i>Fall entrants only</i> <i>Semester 1 course</i>	6

##### Thesis

390326-M-18	<b><i>Entry requirement: you need to have passed SCM Thesis Proposal and Literature</i></b>	
	MSc Thesis SCM (as of 22-23) <i>Spring entrants</i> <i>Semester 1 course</i>	18

##### Optional Courses: Skills

E30115-M-0	<b><i>Not compulsory but recommended</i></b>	
	Career Development SCM	0

## Block 3 (29-01 to 05-04)

### Compulsory courses

325232-M-6	Data-Driven Design Approaches in SCM	6
325237-M-6	Sustainable Supply Management	6

325244-M-6	Research Methods in SCM (spring) <i>Spring entrants only</i> <i>Semester 2 course</i>	0
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### Thesis

**Entry requirement: you need to have passed SCM Thesis Proposal and Literature**

390326-M-18	MSc Thesis SCM (as of 22-23) <i>Fall entrants</i> <i>Semester 2 course</i>	0
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### Optional Courses: Skills

E30115-M-0	<b>Not compulsory but recommended</b> Career Development SCM	0
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## Block 4 (08-04 to 31-08)

### Compulsory courses

325243-M-6	Collaboration in SCM and Advanced Topics (spring) <i>Spring entrants only</i>	6
325235-M-3	Data Science Skills (spring) <i>Spring entrants only</i>	3
325245-M-6	SCM Thesis Proposal and Literature Study (spring) <i>Spring entrants only</i>	3
325244-M-6	Research Methods in SCM (spring) <i>Spring entrants only</i> <i>Semester 2 course</i>	6

### Thesis

**Entry requirement: you need to have passed SCM Thesis Proposal and Literature Study**

390326-M-18	MSc Thesis SCM (as of 22-23) <i>Fall entrants</i> <i>Semester 2 course</i>	18
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### Optional Courses: Skills

E30115-M-0	<b>Not compulsory but recommended</b> Career Development SCM	0
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## Bijlage 2 Double Degree overeenkomsten in 2023/2024

## Appendix 2 Double Degree Agreements in 2023/2024

An overview of the Double Degree Agreements indicated per Master's degree program in combination with the Double Degree Partners. A Double Degree can either be:  
**"one-way,"** intended for students coming from the partner university (incoming)  
**"two-way,"** in addition to the one-way construction also intended for Tilburg University students (outgoing)

The agreed programs can differ from the programs listed in Appendix 1 in which case this will be indicated under "alterations to the program." Further specifics in an agreement are presented under "program specifics."

	Accounting	Economics	Finance	Information Management	International Management	Supply Chain Management	Marketing Management	Marketing Analytics	Econometrics and Mathematical Economics	Business Analytics and Operations Research	Quantitative Finance and Actuarial Science	Strategic Management
FINLAND   Turku School of Economics*				X								
FRANCE   IAE-Aix, Marseille University*				X								
GERMANY   EBS Universität Wiesbaden						X						
FRANCE   EDHEC Business School, Nice					X	X						
CROATIA   Zagreb School of Economics and Management (ZSEM), Zagreb						X						X
ITALY   LUISS Guido Carli University, Rome			X		X	X	X	X				X
CHINA   Shanghai University of Finance and Economics (Sufe)			X									
CHINA   Zhejiang University, School of Economics			X									
PERU   Universidad del Pacifico Peru		X										
TURKEY   Bilkent University	X		X	X	X	X	X	X	X	X	X	X
COLOMBIA   Universidad EAFIT, Medellin		X										
COLOMBIA   Universidad del Rosario, Bogota		X										

\* Partner in Erasmus Mundus program IMMIT

## IMMIT (3 degrees)

IMMIT (International Master's in Management of Information Technology) offers students the opportunity to graduate for three diplomas. Students start in their MSc in Management and Information Technology at IAE-Aix Marseille University in France (1 semester, 30 credits). Then, students move to Finland for their MSc in Economics and Business Administration of Turku School of Economics (1 semester, 30 credits). Lastly, they complete their MSc in Information Management at Tilburg University (1 semester, 30 credits). The combined program is completed with an international internship and the Master's thesis (1 semester, 30 credits) anywhere in the world.

<b>Study program</b>	<b>1G310</b>	<b>Cohort 2023</b>
<b>Name</b>	<b>M Information Management: Int. Master in Man. of Inf. Techn. (IMMIT)</b>	
Total ECTS: 60	Academic Director	<b>Dr. E.A.M. Caron</b>
School: TiSEM	Education Coordinator	<b>H. Koçak</b>
<b>Code</b>	<i>Description/Additional information</i>	<i>ECTS</i>
<b>Year 1</b>		
<b>Block 1 (28-08 to 20-10)</b>		
320123-M-6	Cybersecurity Risk Management	6
320124-M-6	IT Governance and Strategic Sourcing	6
<b>Compulsory Optional Courses:</b> <i>Select 6 ECTS from cluster A (block 2 course is highly recommended)</i>		
320062-M-6	Business Process Integration	6
320099-M-6	Interactive Data Transformation	6
<b>Optional Courses: Skills</b> <i>Highly recommended</i>		
E30113-M-0	Career Development IM	0
<b>Block 2 (23-10 to 26-01)</b>		
<b>Compulsory courses</b>		
320091-M-6	Business Analytics and Emerging Trends	6
320102-M-6	Advanced Data Management	6
<b>Compulsory Optional Courses:</b> <i>Select 6 ECTS from cluster A (block 2 course is highly recommended)</i>		
320082-M-6	Service Oriented Enterprise	6
<b>Optional Courses: Skills</b> <i>Highly recommended</i>		
E30113-M-0	Career Development IM	0
<b>Block 3 (29-01 to 05-04)</b>		
<b>MSc Thesis</b> <i>Supervision by representatives of all 3 Universities (Tilburg, Finland and France)</i>		
390306-M-30	MSc Thesis Information Management	30
<b>Compulsory Optional Courses:</b> <i>Select 6 ECTS from cluster A (block 2 course is highly recommended)</i>		
320084-M-6	Enterpr. Architecture as a Bus. Strategy	6
320092-M-6	Business Intelligence and Business Analytics	6
<b>Optional Course: Skills</b> <i>Highly recommended</i>		
E30113-M-0	Career Development IM	0
<b>Block 4 (08-04 to 31-08)</b>		
<b>MSc Thesis</b> <i>Supervision by representatives of all 3 Universities (Tilburg, Finland and France)</i>		
390306-M-30	MSc Thesis Information Management	30
<b>Compulsory optional subjects:</b> <i>Select 6 ECTS from cluster A (block 2 course is highly recommended)</i>		
320103-M-6	Digital Platforms	6
320101-M-6	Digital Transformation and Innovation	6
<b>Optional Courses: Skills</b> <i>Highly recommended</i>		
E30113-M-0	Career Development IM	0

## Turku School of Economics Finland (2-way)

The master Information Technology for Enterprise Management (ITEM) is a combination of the Tilburg University's MSc Information Management (TiSEM) and the Global IT Management program (Master of Science) of Turku School of Economics in Finland. Students start in Tilburg (only in February) and can apply for ITEM during their first semester. Students admitted after finishing 3 units of courses in IM and 2 online courses of Turku School of Economics, move to Finland to finish the Turku program from January until April. The program is completed with an international joint thesis, preferably combined with a company internship anywhere in the world.

Study program	1G330-2022	Cohort 2023
Name	<b>M Information Management: Inf. Technology for Enterprise Mgt (ITEM)</b>	
Total ECTS: 78	Academic Director	Dr. E.A.M. Caron
School: TiSEM	Education Coordinator	H. Koçak
Code	Description/Additional information	ECTS
<b>Year 1</b>		
<b>Block 3 (29-01 to 05-04)</b>		
<b>Compulsory courses</b>		
320084-M-6	Enterpr. Architecture as a Bus. Strategy	6
320092-M-6	Business Intelligence and Business Analytics	6
<b>Compulsory Optional Courses:</b> <i>Select 24 ECTS from cluster A</i>		
<b>Cluster A</b>		
325232-M-6	Data-driven Design Approaches in SCM	6
<b>Optional Courses: Skills</b> <i>Highly recommended</i>		
E30113-M-0	Career Development IM	0
<b>Block 4 (08-04 to 31-08)</b>		
<b>Compulsory Optional Courses:</b> <i>Select 24 ECTS from Cluster A</i>		
<b>Cluster A</b>		
320103-M-6	Digital Platforms	6
320101-M-6	Digital Transformation and Innovation	6
320096-M-6	Project Mgt: People and Technology	6
<b>Optional Courses: Skills</b> <i>Highly recommended</i>		
E30113-M-0	Career Development IM	0
<b>Year 2</b>		
<b>Block 1 (28-08 to 20-10)</b>		
<b>Compulsory courses</b>		
320124-M-6	IT Governance and Strategic Sourcing	6
<b>Compulsory Optional Courses:</b> <i>Select 24 ECTS from Cluster A</i>		
320062-M-6	Business Process Integration	6
320099-M-6	Interactive Data Transformation	6
320123-M-6	Cybersecurity Risk Management	6
<b>Optional Courses: Skills</b> <i>Not compulsory but recommended</i>		
E30113-M-0	Career Development IM	0
<b>Block 2 (23-04 to 26-01)</b>		
<b>Thesis</b> <i>Block 6 in your program</i>		
390306-M-30	MSc Thesis Information Management	30

#### **Other double degrees**

**EBS Universität/Business School / EDHEC Business School, Nice/Zagreb School of Economics and Management, Zagreb/  
LUISS Guido Carli University, Rome**

The student follows the first year of the Master's program at Tilburg University of Economics and Management, and the second year of the Master's program at the partner university. The Double Degree agreement is a customized program. For more information please be referred to the following website: <https://www.tilburguniversity.edu/education/masters-programmes/double-degree-tisem>.

**Bijlage 3 Ingangseisen voor de masteropleidingen startend  
2024-2025 als bedoeld in artikel 2.1 lid 1 onderdeel a**

**Appendix 3 Entry requirements for Master's degree programs  
starting in 2024-2025 as referred to in Article 2.1 paragraph a**

Bachelor Master	MSc Accountancy	MSc Economics	Data Science in Business and Entrepreneurship	MSc Finance	MSc Fiscale Economie	MSC Information Man.	MSC International Man.
<b>Bedrijfseconomie</b>	Unconditional admission	Contact the Master's Program Coordinator	Contact the Master's Program Coordinator	Unconditional admission	No Admission	Unconditional admission	Individual Assessment
<b>International Bus. Administration</b>	Unconditional admission	Contact the Master's Program Coordinator	Contact the Master's Program Coordinator	Unconditional admission	No Admission	Conditional admission including the (extra) course 30J303 Information Management for IBA	Individual Assessment
<b>Economics</b>	Conditional admission including the (extra) course: 324068 Management Accounting for IBA	Unconditional admission	Contact the Master's Program Coordinator	Conditional admission including the (extra) course: 323622 Ondernemingsfinanciering & Vermogensmarkten or 30J201 Finance 2 for IBA 30J201 or Corporate Finance for IBA	No Admission	Contact the Master's Program Coordinator	Individual Assessment
<b>Econometrie &amp; Operationele Research</b>	Contact the Master's Program Coordinator	Contact the Master's Program Coordinator	Contact the Master's Program Coordinator	Contact the Master's Program Coordinator	No Admission	Contact the Master's Program Coordinator	Individual Assessment
<b>Economie en bedrijfseconomie <i>Track Economics and Society</i></b>	Contact the Master's Program Coordinator	Unconditional admission	Contact the Master's Program Coordinator	Unconditional admission	No Admission	Conditional admission including the (extra) course 330093 Management and Information Systems	Individual Assessment
<b>Economie en bedrijfseconomie <i>Track Commercial Management</i></b>	Contact the Master's Program Coordinator	Contact the Master's Program Coordinator	Contact the Master's Program Coordinator	Unconditional admission	No Admission	Conditional admission including the (extra) course 330093 Management and Information Systems	Individual Assessment
<b>Economie en bedrijfseconomie <i>Track Financial Management</i></b>	Unconditional admission	Contact the Master's Program Coordinator	Contact the Master's Program Coordinator	Unconditional admission	No Admission	Conditional admission including the (extra) course 330093 Management and Information Systems	Individual Assessment
<b>Economie en bedrijfseconomie <i>Track Digital Business</i></b>	Contact the Master's Program Coordinator	Contact the Master's Program Coordinator	Contact the Master's Program Coordinator	Contact the Master's Program Coordinator	No Admission	Unconditional admission	Individual Assessment
<b>Entrepreneurship and Business Innovation</b>	Unconditional admission	No Admission	Contact the Master's Program Coordinator	Contact the Master's Program Coordinator	No Admission	Contact the Master's Program Coordinator	Individual Assessment
<b>Fiscale Economie</b>	Unconditional admission	No Admission	No Admission	Conditional admission including the (extra) course: 323624 Data Analyse	Unconditional admission	Contact the Master's Program Coordinator	Individual Assessment

Bachelor Master	MSc International Business Taxation <b>(Master at LAW School!)</b>	Msc Marketing Man.	MSc. Marketing Analytics	MSc EME MSc BAOR MSc QFAS	MSc Strategic Man.	MSc Supply Chain Man.
Bedrijfseconomie	Unconditional admission	Unconditional admission	Unconditional admission	Contact the Master's Program Coordinator	Unconditional admission	Contact the Master's Program Coordinator
International Bus. Administration	Unconditional admission	Unconditional admission	Unconditional admission	Contact the Master's Program Coordinator	Unconditional admission	Contact the Master's Program Coordinator
Economics	Unconditional admission	With minor Marketing Management or minor Marketing Analytics: unconditional admission// With the 3 courses Services Marketing + Marketing for premaster + Strategy for premaster: unconditional Admission	With minor Marketing Management or minor Marketing Analytics: unconditional admission// With the 3 courses Services Marketing + Marketing for premaster + Strategy for premaster: unconditional Admission	Contact the Master's Program Coordinator	Contact the Master's Program Coordinator	Contact the Master's Program Coordinator
Econometrie & Operationele Research	Unconditional admission	Contact the Master's Program Coordinator	Contact the Master's Program Coordinator	Unconditional admission	Contact the Master's Program Coordinator	Contact the Master's Program Coordinator
Economie en bedrijfseconomie <i>Track Economics and Society</i>	Unconditional admission	Contact the Master's Program Coordinator	Contact the Master's Program Coordinator	Contact the Master's Program Coordinator	Unconditional admission	Contact the Master's Program Coordinator
Economie en bedrijfseconomie <i>Track Commercial Management</i>	Unconditional admission	Unconditional admission	Unconditional admission	Contact the Master's Program Coordinator	Unconditional admission	Contact the Master's Program Coordinator
Economie en bedrijfseconomie <i>Track Financial Management</i>	Unconditional admission	Contact the Master's Program Coordinator	Contact the Master's Program Coordinator	Contact the Master's Program Coordinator	Unconditional admission	Contact the Master's Program Coordinator
Economie en bedrijfseconomie <i>Track Digital Business</i>	Unconditional admission	Contact the Master's Program Coordinator	Contact the Master's Program Coordinator	Contact the Master's Program Coordinator	Contact the Master's Program Coordinator	Contact the Master's Program Coordinator
Entrepreneurship and Business Innovation	Unconditional admission	Contact the Master's Program Coordinator	Contact the Master's Program Coordinator	Contact the Master's Program Coordinator	Contact the Master's Program Coordinator	Contact the Master's Program Coordinator
Fiscale Economie	Unconditional admission	No Admission	No Admission	Contact the Master's Program Coordinator	Contact the Master's Program Coordinator	Contact the Master's Program Coordinator

**\*\* Entry requirements QFAS / EME**

Conditional admission for the following courses:

Entry requirements QFAS en EME	Code	Semester	Unit	Year
Linear Algebra	35B203	1	unit 1	1
Introduction Analysis and Probability Theory	35B113	1		1
Mathematical Analysis 1	35B105	1	unit 2	1
Mathematical Analysis 2	35B107	2	unit 3	1
Probability & Statistics	35B402	2		1
Statistics for Econometrics	35B501	1		2
Advanced Linear Algebra	35B801	1		2
Differentiation and Integration Theory	35B601	2		2
Econometrics	35B206	2		2

**\*\* Entry requirements Master Business Analytics and Operations Research**

Conditional Admission for the following courses:

Courses	BSc EOR/BSc Data Science	Code	Semester	Unit	Year
1	<b>Linear Algebra</b>	35B203	1	unit 1	1
	Linear Algebra for Data Science	JBM070	2		2
2	<b>Mathematical Analysis 1</b>	35B105	1	unit 2	1
	Advanced Mathematics 1 for Data Science	JBM060	1		2
3	<b>Mathematical Analysis 2</b>	35B107	2	unit 3	1
	Advanced Mathematics 2 for Data Science	JBM080	1		3
4	<b>Linear Optimization</b>	35B108	1	unit 2	1
	Linear Optimization for Data Science	JBM035	2		2
5	<b>Stochastic Operations Research Models</b>	35B204	2		2
	Stochastic Optimization Models for Data Science	JBM100	2		3
6	<b>one choice of the following courses:</b>				
	<b>Combinatorial Optimization</b>	35V5A3	1		3
	<b>Operation Research Methods</b>	35V3A3	2		3
	<b>Inventory and Production Management</b>	35V3A4	2		3
	Combinatorial Optimization for Data Science	JBM090	1		3
7	<b>Introduction Analysis and Probability Theory</b>	35B113	1		1
8	<b>Probability &amp; Statistics</b>	35B402	2		1
9	<b>Computer Programming for EOR</b>	346022	1		2

The courses in blue are the equivalent for the courses in black.

## Bijlage / Appendix 4: Intended Learning Outcomes

### ILOs MSc Accountancy

Category	After graduation, the student is able to
Knowledge	<ol style="list-style-type: none"> <li>1. evaluate widely accepted theories relating to different types of accounting (e.g., auditing, internal controls, information systems, standard setting process, the quality of financial and managerial reporting) and related fields (e.g., corporate finance, (information) economics, psychology);</li> <li>2. judge the relevance of accounting information to external stakeholders (e.g., investors, banks, society at large) and internal stakeholders (e.g., CEO, CFO, managers);</li> <li>3. analyze real-life microeconomics and macroeconomic problems and apply scientific and practical knowledge to solve these problems, with attention to environmental, societal, and governance factors;</li> <li>4. evaluate recently evolving phenomena and regulatory environments in accounting and other relevant disciplines (such as the increasing relevance of sustainable corporate behavior and sustainability reporting);</li> <li>5. apply the most recent data analytics tools and methods used in accounting and related fields to solve complex problems.</li> </ol>
Skills: applying knowledge	<ol style="list-style-type: none"> <li>6. complete scientific research based on sound theoretical knowledge and application of data analytics techniques;</li> <li>7. Develop an argumentation by critically evaluating and combining knowledge and insights of accounting, finance, (information) economics, management, and psychology;</li> <li>8. critically analyze and carry out complex professional tasks (e.g., identify and analyze breaches in a firm's accounting system) and scientific tasks (e.g., use data mining techniques to analyze company data).</li> </ol>
Skills: problem-solving skills	<ol style="list-style-type: none"> <li>9. identify and analyze complex and unpredictable problems, opportunities for innovation, and (economic or societal) value creation in accounting and approach these opportunities in a tactical, strategic, creative, and innovative way to propose sustainable solutions.</li> </ol>
Skills: learning and development skills	<ol style="list-style-type: none"> <li>10. demonstrate professional values (e.g., integrity, objectivity, independence, professional skepticism, due care, and lifelong learning) and the attitudes and behavior that are consistent with these values.</li> </ol>
Skills: information skills	<ol style="list-style-type: none"> <li>11. critically collect and analyze information related to accounting in a responsible way: (a) broad, in-depth and detailed scientific information on a limited range of basic theories, principles, and concepts, and (b) limited information on relevant topical issues in society and specialties.</li> </ol>
Skills: communication skills	<ol style="list-style-type: none"> <li>12. communicate (verbally and written) in a targeted way with peers, colleagues, supervisors and/or relevant other specialists and non-specialists, according to academic and/or business conventions.</li> </ol>
Responsibility and independence	<ol style="list-style-type: none"> <li>13. effectively plan and pursue the learning process, alone or with a (multi-national) group of peers, supervisors and/or relevant specialists and non-specialists, and adapt the idea of lifelong learning;</li> <li>14. judge own and others' work in a critical light, take into account consequences of own and other's work, and carry responsibility for the consequences;</li> <li>15. formulate opinions based on incomplete and or limited information while remaining receptive to the ideas and opinions of others, taking into account social, scientific, and ethical responsibilities.</li> </ol>

Category	After graduation, the student is able to
Knowledge	<p>1. Describe, explain and evaluate highly advanced and specialized knowledge of theory, methods (deterministic and stochastic) and techniques needed to solve complex business problems, with focus on optimization methods, supply chain (prescriptive analytics) and techniques for analysing (big) data, and/or making predictions (predictive analytics);</p> <p>2. Evaluate recent developments and integrate scientific knowledge in complex and unpredicted contexts, as well as in other disciplines, based on knowledge of optimization, supply chain and machine learning models and their corresponding solving methods.</p>
Skills: applying knowledge	<p>3. Successfully and independently complete scientific research based on methodological knowledge of optimization, supply chain and machine learning, leading to the development of new algorithms, new models and their solving methods and techniques;</p> <p>4. Develop a conceptual argumentation (with the attitude of a mathematician) of the selected models and methods used in solving complex business problems; as well as of the relevant algorithms for the corresponding problem;</p> <p>5. Evaluate and carry out complex professional or scientific tasks needed to translate the business problem into a mathematical model.</p>
Skills: problem-solving skills	<p>6. Identify and analyze unpredictable complex problems, opportunities for innovation and (economic or societal) value creation in logistics, marketing, finance, and economics; and approach these opportunities in a tactical, strategic, creative and innovative way, by choosing the right method or technique to solve the practical decision problem;</p> <p>7. Contribute to (original, scientific) solutions of complex problems in professional practice and or in the knowledge domain by identifying, analyzing (possibly by means of software), an interpreting data.</p>
Skills: learning and development skills	<p>8. Reflect on personal (learning) achievements, resulting in ongoing improvement, learning and taking on new challenges.</p>
Skills: information skills	<p>9. Critically collect and analyze information related to business analytics, mathematics of operations research and consultancy in a responsible way: (a) broad, in-depth and detailed scientific information on a range of theories, principles and concepts, and (b) information on relevant topical issues in society and specialties.</p>
Skills: communication skills	<p>10. Communicate in a targeted way with peers, colleagues, supervisors and/or relevant other specialists and non-specialists and convey the hard mathematical message to practitioners according to academic and/or managerial conventions.</p>
Responsibility and independence	<p>11. Effectively plan and pursue a project or learning process, alone or with a (multi-national) group of peers, supervisors and/or relevant specialists and non-specialists others, in a changeable working environment with a high degree of uncertainty;</p> <p>12. Carry responsibility for the results of own activities, work and / or study and for the work results of others and is accountable for the consequences of these choices for others and for society;</p> <p>13. Carry responsibility for the management of unpredictable processes and professional development of people and groups and is accountable for considering the consequences of these choices for others and for society;</p> <p>14. Formulate opinions based on incomplete and or limited information, considering social, scientific and ethical responsibilities related to the application of own knowledge and opinions.</p>

Category	After graduation, the student is able to
Knowledge	<ol style="list-style-type: none"> <li>1. Use methods from the economics toolkit (game theory, formal modeling, econometrics, lab and field experiments) to make a positive analysis of (strategic) choices made by transactors and of the resulting outcomes, market failures and government failures, in both a static and a dynamic context;</li> <li>2. Make a normative analysis of possible strategic responses to market/ social/ political developments and failures from the perspective of the different transactors, who have different objectives (e.g. firms, households, governments, regulatory bodies);</li> <li>3. Critically appraise theories, empirical evidence and new developments, presented in one or more fields where economic thinking is applied, e.g. Behavioral Economics, Data Science, Financial Economics, Law and Economics, Public Policy, and/ or Sustainable Development.</li> </ol>
Skills: applying knowledge	<ol style="list-style-type: none"> <li>4. Independently conduct research into specific situations , e.g. markets, using quantitative tools (econometrics, formal modeling and/or experimental design);</li> <li>5. Be able to argue all choices made during the research process.</li> </ol>
Skills: problem-solving skills	<ol style="list-style-type: none"> <li>6. Identify - for society - relevant problems and contribute to the solution using economic thinking</li> </ol>
Skills: learning and development skills	<ol style="list-style-type: none"> <li>7. Reflect on personal (learning) results, resulting in ongoing improvement, learning and taking on new challenges; students receive grades (and feedback) on papers, presentations and exams, etc. Then they naturally “reflect” and, depending on personal goals and characteristics, try to improve</li> </ol>
Skills: information skills	<ol style="list-style-type: none"> <li>8. Critically collect and analyze economic (scientific) literature in a scientific responsible way and extract conclusions for business and/or policy issues.</li> </ol>
Skills: communication skills	<ol style="list-style-type: none"> <li>9. Communicate the results of the analysis in a targeted way both on paper as well as orally to an audience of either experts or laypersons according to academic and/or managerial conventions.</li> </ol>
Responsibility and independence	<ol style="list-style-type: none"> <li>10. Effectively plan and pursue a project or learning process, alone or with a (multi-national) group of peers, supervisors and/or relevant specialists and non-specialists others, in a changeable working environment with a high degree of uncertainty;</li> <li>11. Provide constructive criticism of the work of others, and to critically assess their own work;</li> <li>12. Derive judgments based on incomplete and/or limited information;</li> <li>13. Communicate problems throughout the research process, and report also research results that contradict their main conclusion.</li> </ol>

Category	After graduation, the student is able to
Knowledge	<ol style="list-style-type: none"> <li>1. Employ a variety of rigorous econometric methods (micro-econometrics, time series econometrics, panel data, big data) and advanced microeconomic models to analyze and evaluate the adequacy and effectiveness of complex public and private policy choices, consumer and producer decisions, and strategic business decisions, using real-world economic and business data</li> <li>2. Critically evaluate public and private decisions, as well as academic and professional studies that employ real-world data in a variety of fields of economics and business, based on the knowledge acquired in various areas of econometrics and economics throughout the program.</li> </ol>
Skills: applying knowledge	<ol style="list-style-type: none"> <li>3. Successfully and independently complete research on (1) effectiveness of public policies (labor, health, monetary, fiscal, financial) and private decision making (consumers, producers) (2) forecasting key variables such as profits, financial returns, individual and aggregate choice;</li> <li>4. Carefully choose and defend all choices made in own empirical work and critically appraise existing academic and professional models;</li> <li>5. Use software (for example R, Python, Stata, Matlab) to solve complex computational problems.</li> </ol>
Skills: problem-solving skills	<ol style="list-style-type: none"> <li>6. Strategically identify the relevant economic or business questions for a company or for society, collect the appropriate data, and develop and implement the right econometric techniques to address these questions.</li> </ol>
Skills: learning and development skills	<ol style="list-style-type: none"> <li>7. Reflect on personal (learning) achievements, identify weaknesses in particular areas through an exposure to a variety of modelling, empirical and computation challenges, resulting in ongoing improvement.</li> </ol>
Skills: information skills	<ol style="list-style-type: none"> <li>8. Identify and/or rigorously collect the right data needed to analyze a particular challenging problem in an ethically responsible way;</li> <li>9. Critically collect the relevant scientific literature on methods needed to analyze a particularly challenging public or private decision.</li> </ol>
Skills: communication skills	<ol style="list-style-type: none"> <li>10. Communicate in an intuitive, targeted and effective way the results of the econometric analysis with peers, colleagues, supervisors and practitioners.</li> </ol>
Responsibility and independence	<ol style="list-style-type: none"> <li>11. Effectively plan and pursue a project either individually or together with peers and supervisors;</li> <li>12. Critically assess the limitations of own and peer work, and effectively and truthfully communicate these to supervisors and to the society;</li> <li>13. Find collaborators to resolve your limitations;</li> <li>14. Carefully formulate opinions based on incomplete and or limited information, taking into account the implications and shortcomings of such opinions for future public and private policy design.</li> </ol>

Category	After graduation, the student is able to
Knowledge	<ol style="list-style-type: none"> <li>1. Evaluate particularly specialized and advanced theories, models and principles, and their foundations, used in tax economics at the interface of the professional practice, academia and/or other knowledge domains;</li> <li>2. Evaluate recent developments in complex and unpredicted contexts, as well as other disciplines, critically based on knowledge of tax law and economics;</li> </ol>
Skills: applying knowledge	<ol style="list-style-type: none"> <li>3. Reproduce, analyze, apply and integrate scientific knowledge in a range of complex contexts, involving different jurisdictions;</li> <li>4. Successfully and independently complete scientific research based on methodological knowledge - now and in the future within the relevant social context under supervision;</li> <li>5. Develop a (conceptual) argumentation;</li> <li>6. Evaluate and carry out complex professional or scientific tasks;</li> </ol>
Skills: problem-solving skills	<ol style="list-style-type: none"> <li>7. Identify, analyze, and critically assess and contribute to multiple solutions for complex problems of tax economics with the aid of different related academic disciplines;</li> <li>8. Contribute to a (scientific) solution of complex problems to improve tax policy and legislation in professional practice and or in the knowledge domain if applicable by identifying and using data</li> </ol>
Skills: learning and development skills	<ol style="list-style-type: none"> <li>9. Reflect on personal (learning) results, resulting in ongoing improvement, learning and taking on new challenges;</li> </ol>
Skills: information skills	<ol style="list-style-type: none"> <li>10. Critically collect and analyze information related to tax economics in a responsible way and on a continuous basis: (a) broad, in-depth and detailed scientific resources on a range of theories, principles and concepts of tax law and economics, and (b) information on relevant topical tax issues in society and specialties;</li> </ol>
Skills: communication skills	<ol style="list-style-type: none"> <li>11. Communicate and collaborate in a targeted way with peers, colleagues, supervisors and/or relevant other specialists and non-specialists, according to academic conventions and tax ethics;</li> </ol>
Responsibility and independence	<ol style="list-style-type: none"> <li>12. Effectively plan and pursue a project or learning process, alone or with a (multi-national) group of peers, supervisors and/or relevant specialists and non-specialists others, in a rapidly changing tax environment;</li> <li>13. Carry responsibility for the results of own activities, work and or study and for the work results of others and is accountable for the consequences of these choices for others and for society;</li> <li>14. Formulate opinions in the field of tax economics taking into account social, scientific and ethical responsibilities related to the application of own knowledge and opinions.</li> </ol>

<b>Category</b>	<b>After graduation, the student is able to</b>
Knowledge	<p>1. Connect and judge key academic concepts and frameworks in corporate finance (focus on the firm) and investment analysis (focus on the investor);</p> <p>2. Summarize, value, criticize and defend recent developments in current policy debates that affect the financial sector or non-financial firms through the financial sector.</p>
Skills: applying knowledge	<p>3. Interpret and be able to use quantitative techniques to analyze collected data with the use of econometric/statistical software and theoretical problems in all finance subfields covered in the MSc Finance;</p> <p>4. Summarize and prioritize objectives, methods and results in written or oral presentations;</p> <p>5. Write a research proposal containing literature review, research question formulation, hypotheses development and methodological ideas in order to be admitted to the master thesis writing process where the research will be conducted.</p>
Skills: problem-solving skills	<p>6. Identify, Interpret and extract the main message of scientific finance literature and in complex situations with heterogeneous information or information overload;</p> <p>7. Design and create innovative ideas in the finance subfields covered in the MSc Finance and appraise the interest on the part of others in these challenges;</p> <p>8. Use, relate and connect insights from the scientific literature to formulate state-of-the-art solutions to real world finance problems.</p>
Skills: learning and development skills	<p>9. Judge, criticize and defend your own and others' work, both in terms of logical coherence (is it scientifically sound?) and in terms of economic relevance (is the solution practically useful/implementable?) in order to improve it;</p> <p>10. Cultivate the idea of continuous learning, also after you have completed your studies.</p>
Skills: information skills	11. Critically collect and analyze the relevant scientific finance literature and be able to extract the main message from it.
Skills: communication skills	12. Summarize objectives, econometric methods and empirical results in written or oral presentations.
Responsibility and independence	<p>13. Collaborate together with fellow students in teams.</p> <p>14. Is eager to study and solve practical and theoretical financial problems with the help of scientifically sound tools.</p>

Category	After graduation, the student is able to
Knowledge	<ol style="list-style-type: none"> <li>1. Evaluate particularly specialized and advanced theories, models and principles, and their foundations, used in Information Management (IT Governance, Digital Transformation, Business Intelligence) at the interface of the professional practice, academia and/or other knowledge domains;</li> <li>2. Evaluate new developments in business and digital technology as well as other disciplines, critically based on knowledge of Information Management.</li> </ol>
Skills: applying knowledge	<ol style="list-style-type: none"> <li>3. Reproduce, analyze, apply and integrate scientific knowledge (in particular, business and digital technology) in a range of complex contexts;</li> <li>4. Successfully and independently complete scientific research based on methodological knowledge (behavioral and design science research);</li> <li>5. Develop a (conceptual) argumentation, supported by semi-formal models where appropriate</li> <li>6. Evaluate and carry out complex professional (e.g., advisory, IS management) or scientific tasks.</li> </ol>
Skills: problem-solving skills	<ol style="list-style-type: none"> <li>7. Identify and analyze unpredictable complex problems, opportunities for innovation and (economic or societal) value creation in Information Management and approach these opportunities in a tactical, strategic, creative and innovative way;</li> <li>8. Contribute to an (original, scientific) solution of complex problems in professional practice and or in the knowledge domain by identifying and using data.</li> </ol>
Skills: learning and development skills	<ol style="list-style-type: none"> <li>9. Reflect on personal (learning) results, resulting in ongoing improvement, learning and taking on new challenges.</li> </ol>
Skills: information skills	<ol style="list-style-type: none"> <li>10. Critically collect and analyze scientific resources related to Information Management in a responsible way: (a) in-depth and detailed scientific resources on a range of core theories, principles and concepts, and (b) general resources on relevant topical issues in society and specialties.</li> </ol>
Skills: communication skills	<ol style="list-style-type: none"> <li>11. Communicate in a targeted way with peers, colleagues, supervisors and/or relevant other specialists and non-specialists, according to academic and/or managerial conventions.</li> </ol>
Responsibility and independence	<ol style="list-style-type: none"> <li>12. Effectively plan and pursue a project or learning process, alone or with a (multi-national) group of peers, supervisors and/or relevant specialists and non-specialists others, in a changeable working environment with a high degree of uncertainty;</li> <li>13. Carry responsibility for the results of own activities, work and or study and for the work results of others and is accountable for the consequences of these choices for others and for society;</li> <li>14. Adopt challenges with an open mind and in doing so enthuse other people;</li> <li>15. Formulate opinions based on incomplete and or limited information, taking into account social, scientific and ethical responsibilities related to the application of own knowledge and opinions.</li> </ol>

<b>Category</b>	<b>After graduation, the student is able to</b>
Knowledge	1. Critically appraise particularly specialized and advanced contemporary theories explaining the behavior and performance of multinational firms (international finance, international marketing, international management, CSR), and their foundations, and apply them to real-world issues faced by multinational firms in an integrated way.
Skills: applying knowledge	2. Develop a (conceptual) argumentation drawing on one or several business disciplines covered in the program; 3. Reproduce, analyze, apply, and integrate scientific knowledge in a range of complex contexts; 4. Successfully and independently complete scientific research on multinational firms based on methodological knowledge.
Skills: problem-solving skills	5. Identify and analyze complex (economic or societal) challenges faced by multinational firms and address these challenges in a tactical, strategic, creative, and innovative way; 6. Contribute to an (original, scientific) solution of complex problems in professional practice and/or in the knowledge domain by identifying and using data on multinational firms.
Skills: learning and development skills	7. Reflect on personal (learning) results, resulting in ongoing improvement, learning and taking on new challenges.
Skills: information skills	8. Critically collect and analyze information on multinational firms in a responsible way: (a) broad, in-depth and detailed scientific information on a range of theories, principles and concepts of and, and (b) information on relevant topical issues in society and specialties.
Skills: communication skills	9. Communicate in a targeted way with peers, colleagues, supervisors and/or relevant other specialists and non-specialists who may have heterogenous education, background, experience, and expertise.
Responsibility and independence	10. Effectively plan and pursue a learning process, alone or within a heterogenous group of peers, supervisors and/or relevant specialists and non-specialist others, in a changeable working environment with a high degree of uncertainty; 11. Carry responsibility for the results of own activities or activities undertaken in heterogenous groups and is accountable for the consequences of these choices for others and for society; 12. Formulate opinions based on incomplete and or limited information, taking into account social, scientific and ethical responsibilities related to the application of own knowledge and opinions.

<b>Category</b>	<b>After graduation, the student is able to</b>
Knowledge	<p>1. Describe, explain, and evaluate contemporary and specialized models, quantitative methods, and techniques and apply them to collect, manage, analyze, and disseminate quantitative marketing information in a systematic and responsible way;</p> <p>2. Evaluate prevalent marketing theories and strategies and apply them to analyze the business problem and to delineate the corresponding research strategy.</p>
Skills: applying knowledge	<p>3. Independently conduct scientific research in a systematic, valid, and reliable way, in the field of marketing analytics;</p> <p>4. Develop an argumentation for the choices made during the various stages of the research process;</p> <p>5. Critically analyze and solve complex business problems (e.g., analyze a company's pricing strategy or brand reputation) in an academically sound way.</p>
Skills: problem-solving skills	6. Identify and analyze opportunities for value creation in the changing data-driven marketing landscape and approach these in a tactical and strategic way.
Skills: learning and development skills	7. Reflect on one's professional values (e.g., integrity, objectivity, independence, position of the marketing analyst in the organization, staying up to date...) and the attitudes and behaviors that are consistent with these values.
Skills: information skills	8. Critically collect and analyze relevant marketing literature and its related fields (e.g., econometrics, information management, data science,...) to arrive at valid conclusions for firms and/or public policy makers.
Skills: communication skills	9. Communicate effectively with a target audience according to academic and/or managerial conventions.
Responsibility and independence	<p>10. Effectively plan and pursue a project, alone or in team, in an ever-changing marketing environment;</p> <p>11. Critically reflect on one's own and other's work;</p> <p>12. Formulate a critical opinion based on the available information while being able to pinpoint the limitations of the context under investigation.</p>

<b>Category</b>	<b>After graduation, the student is able to</b>
Knowledge	<p>1. Describe, explain, and evaluate contemporary and advanced marketing theories and strategies and apply them to solve complex business problems;</p> <p>2. Use prevalent research methods and apply these to collect marketing data in order to make recommendations for business and further research.</p>
Skills: applying knowledge	<p>3. Independently conduct scientific research in a systematic, valid, and reliable way, in the field of marketing;</p> <p>4. Develop an argumentation for the choices made during the various stages of the research process;</p> <p>5. Critically analyze and solve complex business problems (e.g., perform a brand analysis and/or design a marketing communication plan) in an academically sound way.</p>
Skills: problem-solving skills	<p>6. Identify and analyze opportunities for value creation in a changing marketing landscape and approach these in a tactical and strategic way.</p>
Skills: learning and development skills	<p>7. Reflect on professional values (e.g., integrity, objectivity, independence, position of the marketing function in the organization, staying up to date ...) and the attitudes and behaviors that are consistent with these values.</p>
Skills: information skills	<p>8. Critically collect and analyze relevant marketing literature and its related fields (e.g., economic psychology, consumer behavior, supply chain management,...) to arrive at valid conclusions for firms and/or public policy makers.</p>
Skills: communication skills	<p>9. Communicate effectively with a target audience according to academic and/or managerial conventions.</p>
Responsibility and independence	<p>10. Effectively plan and pursue a project, alone or in team, in an ever-changing marketing environment;</p> <p>11. Critically reflect on one's own and other's work;</p> <p>12. Formulate a critical opinion based on the available information while being able to pinpoint the limitations of the context under investigation.</p>

<b>Category</b>	<b>After graduation, the student is able to</b>
Knowledge	<p>1. Describe, explain and evaluate highly advanced models, methods and techniques needed to solve complex problems in quantitative finance and actuarial science;</p> <p>2. Evaluate recent academic and practical developments in quantitative finance and actuarial science, based on knowledge of their corresponding mathematical and statistical models, methods, and techniques;</p>
Skills: applying knowledge	<p>3. Successfully and independently complete scientific research in quantitative finance and actuarial science based on knowledge of mathematical and statistical models, methods and techniques, and the required skills in mathematical analysis, linear algebra, probability theory, statistics, econometrics, data science, and optimization;</p> <p>4. Develop a conceptual argumentation (with the attitude of a mathematician) of the selected models, methods, and techniques used in solving complex quantitative finance and actuarial science problems;</p> <p>5. Evaluate and carry out complex professional or scientific tasks needed to: (i) translate a quantitative finance or actuarial science problem into a mathematical and/or statistical model, and (ii) identify and use appropriate mathematical and/or statistical models and techniques to solve the problem;</p>
Skills: problem-solving skills	<p>6. Identify, complex problems in the professional practice and/or in the knowledge domain of quantitative finance and actuarial science;</p> <p>7. Analyze and solve the problem by (i) choosing the right models and methods, (ii) possibly finding, analyzing and interpreting relevant data, (iii) using appropriate mathematical and/or statistical techniques to solve the problem, and (iv) critically evaluating and interpreting the results;</p>
Skills: learning and development skills	<p>8. Reflect on personal (learning) results, resulting in ongoing improvement, learning and taking on new challenges;</p>
Skills: information skills	<p>9. Critically collect and analyze information, related to quantitative finance and actuarial science in a responsible way, including: (a) data, (b) in-depth and detailed scientific information on a broad range of theories, principles and concepts of quantitative finance and actuarial science, and (c) information on relevant topical issues in society;</p>
Skills: communication skills	<p>10. Communicate in a targeted way with peers, colleagues, supervisors and/or relevant other specialists and non-specialists, according to academic and/or professional conventions;</p>
Responsibility and independence	<p>11. Effectively plan and pursue a project or learning process in complex dynamic environments, alone or in a team, and carry responsibility for the process and the outcome, for others and for society at large.</p> <p>12. Formulate opinions based on incomplete and or limited information, considering social, scientific, and ethical responsibilities related to the application of own knowledge and opinions.</p>

<b>Category</b>	<b>After graduation, the student is able to</b>
Knowledge	<p>1. Evaluate particular, specialized and advanced theories, models and principles, and their foundations, used in strategic management at the interface of professional practice and academia;</p> <p>2. Critically evaluate recent developments in complex and unpredicted contexts, based on knowledge of strategic management.</p>
Skills: applying knowledge	<p>3. Successfully and independently complete scientific research compliant with current methodological and theoretical insights;</p> <p>4. Create and implement a solid argumentation in all written assignments;</p> <p>5. Evaluate and carry out complex professional or scientific tasks related to the (re)design of an organization's strategy and its implementation;</p> <p>6. Provide an argued advice - via a collaborative team effort - to internal and external clients on strategic issues.</p>
Skills: problem-solving skills	<p>7. Identify and analyze unpredictable complex problems, opportunities for innovation and (economic or societal) value creation and use strategic management insights to approach these opportunities in an innovative way;</p> <p>8. Contribute to an (original, scientific) solution of complex problems in professional practice and/or in the field of strategic management by identifying and using data;</p> <p>a. Additional for Consultancy track: use models and methods from the domains of consultancy and data analytics.</p> <p>b. Additional for the Entrepreneurship track: use models and methods from the domains of entrepreneurship and innovation.</p>
Skills: learning and development skills	<p>9. Reflect on personal and group results, resulting in ongoing improvement, learning and taking on new challenges.</p>
Skills: information skills	<p>10. Critically collect and analyze in-depth and detailed scientific information on a range of theories, principles and concepts related to strategic management, as well as information on relevant topical issues in society, in a responsible way.</p>
Skills: communication skills	<p>11. Communicate in a targeted way with peers, supervisors, clients, and/or relevant other specialists and non-specialists, according to academic and/or managerial conventions.</p>
Responsibility and independence	<p>12. Effectively plan and pursue a project or learning process, alone or within a heterogenous group of peers, supervisors and/or relevant specialists and non-specialist others, in a changeable working environment with a high degree of uncertainty;</p> <p>13. Carry responsibility for the results of own and group activities, in work and/or study, taking into account social, scientific and ethical responsibilities;</p> <p>14. Formulate opinions based on incomplete and or limited information, taking into account social, scientific and ethical responsibilities related to the application of own knowledge and opinions.</p>

<b>Category</b>	<b>After graduation, the student is able to</b>
Knowledge	1. Critically evaluate specialized and advanced supply chain management concepts, models and theories, including their foundations and recent developments, at the interface of academia and professional practice;
Skills: applying knowledge	2. Independently conduct a delineated research project compliant with acceptable methodological standards, and relying on current theoretical insights; 3. Develop a solid and objective argumentation;
Skills: problem-solving skills	4. Identify and analyze complex problems in supply chain management practice, and contribute to original and science-based solutions of such problems by identifying and using data;
Skills: learning and development skills	5. Reflect on personal (learning) results, resulting in actions to continuously improve the learning process;
Skills: information skills	6. Critically collect and analyze scientific and empirical information related to supply chain management in a responsible way.
Skills: communication skills	7. Communicate in a targeted way with peers, colleagues, supervisors and/or other specialists and non-specialists, according to academic and/or managerial conventions.
Responsibility and independence	8. Effectively plan and pursue a project or learning process in complex dynamic environments, alone or in a team, and carry responsibility for the process and the outcome, for others and for society at large; 9. Formulate critical judgements based on incomplete and/or limited information, taking into account social, scientific and ethical responsibilities related to the application of own knowledge.

<b>Program</b>	<b>Code</b>	<b>Course name</b>	<b>Transition rule</b>
ACC, BAOR, ECO, EME, IM, IntM, MA, MM, QFAS, SM, SCM	No transition rules		
FE - Indirect	695530-M-6	Customs and International Trade	Customs and International Trade (695530-M-6) no longer be offered in 2023-2024. Students can choose another course from cluster A in semester 1 or 2
FE	695530-M-6	Customs and International Trade	Customs and International Trade (695530-M-6) will no longer be offered in 2023-2024. Students in MSc FE can choose another course of the cluster TAXECO in semester 1 or 2. Students in MSc FE, track Indirect can choose another course from cluster A in semester 1 or 2.
FE	695420-M-6	Fiscale en civiele aspecten van toekomstvoorzieningen	Fiscale en civielrechtelijke aspecten van toekomstvoorzieningen (695420- M-6) in semester 2 in Cluster TAX will continue under the new course name 'Pensions and Tax.' Students should follow course with the new name.
FIN	323080-M-6	Data Science Methods in Finance	This course moves from block 3 to block 2. Repeaters can retake the course and exam in block 2 of next academic year.