



Masteropleidingen

Onderwijs- en Examenregeling (OER) 2020-2021

Accountancy and Control | Actuarial Science and
Mathematical Finance | Business Administration |
Business Economics | Econometrics | Economics |
Finance | Fiscal Economics

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Deze Onderwijs- en Examenregeling (OER) is gebaseerd op de model-OER van 3 juli 2018 en het addendum op model-OER n.a.v. de situatie door COVID-19. Aan de inhoud van deze Onderwijs- en Examenregeling is de grootst mogelijke zorg besteed. Tussentijds kunnen echter wijzigingen optreden, als gevolg van bijvoorbeeld wijzigingen in de wet, wijzigingen in UvA-regelingen of kabinetsmaatregelen samenhangend met de bestrijding van COVID-19. Wanneer dit het geval is, zal dit zo tijdig mogelijk op passende wijze bekend worden gemaakt.

In situaties van COVID-19 gerelateerde overmacht waar het redelijkerwijs niet mogelijk is om het onderwijs en de tentamens te verzorgen op de in deze OER vermelde wijze – in samenhang met de studiegids/modulehandleiding – kan tijdelijk worden overgegaan op een andere (werk)vorm van onderwijs, tentaminering en inzage. Daarbij geldt als voorwaarde dat de vastgestelde leerdoelen ook na de deze aanpassingen onverkort gelden, een en ander mede ter beoordeling van de examencommissie. Eveneens dienen daar waar van toepassing de rechten van de medezeggenschapsorganen gerespecteerd te worden.

Deel A: Algemene Onderwijs- en Examenregels

1. Algemene bepalingen

Artikel 1.1 Toepasselijkheid regeling

1. Deze Onderwijs- en Examenregeling (hierna te noemen 'de regeling') is van toepassing op het onderwijs en de examens van de masteropleidingen die worden aangeboden aan de faculteit UvA Economie en Bedrijfskunde (hierna te noemen 'EB').
2. Deze regeling bestaat uit een deel A met algemene bepalingen en een deel B met opleidingsspecifieke bepalingen. Deel A en deel B vormen samen de onderwijs- en examenregeling van de opleiding.
3. Deze regeling is van toepassing op iedereen die voor de opleiding is ingeschreven, ongeacht het studiejaar waarin de student voor het eerst voor de opleiding werd ingeschreven.
4. Deel B van deze regeling geeft eventuele aanvullende algemene bepalingen per opleiding.

Artikel 1.2 Begripsbepalingen

In deze regeling wordt verstaan onder:

- a. deeltentamen tentamen dat een gedeelte van de leerdoelen van een onderdeel toetst
- b. eindtentamen afsluitend tentamen van een onderdeel
- c. EC (European Credit) een studiepunt met een studielast van 28 uren studie
- d. joint degree een graad die een instelling verleent, samen met een of meer instellingen in binnen- of buitenland, nadat de student een studieprogramma (een opleiding, afstudeerrichting of specifiek programma binnen een opleiding) heeft doorlopen waarvoor de samenwerkende instellingen samen verantwoordelijk zijn en waarvoor slechts één gezamenlijk diploma wordt afgegeven
- e. mondeling tentamen onderzoek naar de kennis, het inzicht en de vaardigheden van de student door middel van een mondelinge overhoring
- f. onderdeel een onderwijsseenheid van de opleiding in de zin van de wet, zoals bijvoorbeeld een vak of een stage
- g. SIS het Studenten Informatie Systeem
- h. studiegids de gids van de opleiding die een nadere uitwerking van de opleidingsspecifieke bepalingen en overige opleidings-specifieke informatie bevat. De studiegids is elektronisch beschikbaar via studiegids.uva.nl

- i. studiejaar het tijdvak dat aanvangt op 1 september en eindigt op 31 augustus van het daarop volgende kalenderjaar
- j. studieprogramma het totaal en de samenhang van de onderdelen, de onderwijsvormen, de contacturen, de toets- en tentamenvormen, de voorgeschreven literatuur
- k. tentamen onderzoek naar de kennis, het inzicht en de vaardigheden van de student betreffende een onderdeel. De beoordeling wordt uitgedrukt in een eindcijfer. Een tentamen kan in gedeeltes worden afgenomen met behulp van één of meer deeltentamens. Een hertentamen bestrijkt altijd dezelfde materie als het tentamen
- l. toelatingscommissie de commissie die namens de decaan beoordeelt of een gegadigde aan de eisen voldoet om toegelaten te worden tot de masteropleiding van zijn keuze
- m. universiteit de Universiteit van Amsterdam
- n. wet de wet op het hoger onderwijs en wetenschappelijk onderzoek (WHW)
De overige begrippen hebben de betekenis die de wet daaraan toekent.

2. Vooropleiding en toelating

Artikel 2.1 Vooropleidingseisen

1. Voor de inschrijving voor een masteropleiding is een bachelorgraad vereist, behaald in het wetenschappelijk onderwijs. Aan welke eisen de bachelorgraad moet voldoen, is bepaald in deel B.
2. Ingeval een gegadigde niet beschikt over een bachelorgraad, zoals bedoeld in het eerste lid, beoordeelt de toelatingscommissie van de opleiding de geschiktheid om tot de opleiding toegelaten te worden aan de hand van de vereisten, bepaald in deel B.

Article 2.2 Taaleisen

1. Studenten die een Engelstalig EB Master programma willen volgen, tonen aan dat zij de Engelse taal voldoende beheersen door te voldoen aan een van de volgende eisen:
 - De student is in het bezit van een Bachelor diploma van een Nederlandse universiteit (wo) of hogeschool (hbo).
 - De student is in het bezit van een Bachelor diploma van een universiteit gevestigd en geaccrediteerd in Australië, Canada (met uitzondering van Quebec), Ierland, Malta, Nieuw Zeeland, Zuid-Afrika, het Verenigd Koninkrijk of de Verenigde Staten van Amerika.
 - De student is in het bezit van een officiële uitslag van een van de volgende Engelse toetsingsmethodes met een toetsingsdatum van minder dan 2 jaar voor aanvang van de studie en met de volgende scores:
 - TOEFL-IBT
 - Totaalscore: minimaal 92 punten
 - Lezen, luisteren, spreken, schrijven: minimaal 22 punten per onderdeel
 - IELTS (academische versie)
 - Totaalscore: minimaal 6.5 punten
 - Lezen, luisteren, spreken, schrijven: minimaal 6.0 punten per onderdeel
 - Cambridge English:
 - 170 punten als gehele score en in elke subcategorie op een:
 - Cambridge certificate in Advanced English (CAE) of
 - Cambridge certificate of Proficiency in English (CPE)

Artikel 2.3 Aanmelding en inschrijving

1. Een aanvraag tot toelating tot een masteropleiding moet worden ingediend bij het EB Admissions Office uiterlijk op onderstaande data, voor aanvang van het studiejaar:
 - 1 april voor studenten met een niet-Nederlands diploma
 - 1 juni voor studenten met een Nederlands diploma.
2. Aanmelding dient te geschieden via het digitale aanmeldsysteem Embark. De aanmelding is pas voltooid als alle vereiste documenten vóór de deadline via het genoemde aanmeldsysteem zijn ingediend.
3. Na een tijdige aanmelding schrijft de student zich vóór 1 september of indien van toepassing vóór 1 februari in.

Artikel 2.4 Toelating

1. De decaan stelt een of meer toelatingscommissies in. De decaan wijst de leden daarvan aan na overleg met de opleidingsdirecteuren van de desbetreffende opleidingen. De toelating tot de opleiding is opgedragen aan de toelatingscommissie.
2. Met het oog op de toelating tot de opleiding stelt de toelatingscommissie een onderzoek in naar de kennis, het inzicht en de vaardigheden van de kandidaat. In aanvulling op schriftelijke bewijzen van de gevolgde opleiding(en) kan de commissie bepaalde kennis, inzicht en vaardigheden laten toetsen door deskundigen in of buiten de universiteit. De commissie betreft bij haar onderzoek de kennis van de taal waarin het onderwijs wordt verzorgd.
3. De kandidaat ontvangt een toelatingbewijs dan wel een afwijzende beslissing. Hiertegen is binnen zes weken beroep mogelijk bij het college van beroep voor de examens.

Artikel 2.5 Weigering of beëindiging inschrijving (iudicium abeundi)

1. Op grond van het bepaalde in artikel 7.42a van de wet kan de decaan of de examencommissie in uitzonderlijke gevallen het College van Bestuur verzoeken de inschrijving van een student voor een opleiding te beëindigen dan wel te weigeren, als die student door zijn gedragingen of uitlatingen blijkt heeft gegeven van ongeschiktheid voor de uitoefening van een of meer beroepen waartoe de door hem gevolgde opleiding hem opleidt, dan wel voor de praktische voorbereiding op de beroepsuitoefening.
2. Indien jegens een student vermoedens van ongeschiktheid bestaan zoals omschreven in het eerste lid, stelt de examencommissie of de decaan een onderzoek in, waarvan de student onverwijld op de hoogte wordt gesteld. De examencommissie of de decaan brengt geen advies uit dan na zorgvuldige afweging van de betrokken belangen en nadat de betrokken student in de gelegenheid is gesteld te worden gehoord.

3. Toetsing en examinering

Artikel 3.1 Deelname aan onderwijs en tentamens

1. Een student dient zich voor elk vak vooraf aan te melden.

Daarvoor zijn aanmeldperiodes vastgesteld die te vinden zijn op student.uva.nl/ecb/az > Vakaanmelding

2. Een student die zich heeft aangemeld voor een vak, heeft zich daarmee ook aangemeld voor deeltentamens, eindtentamens en hertentamens voor dat vak.
3. Een student mag zich per semester en per masteropleiding voor maximaal 42 EC inschrijven voor vakken van EB. Studenten die ten tijde van de reguliere vakaanmelding de afgelopen drie blokken nominaal hebben gestudeerd kunnen contact opnemen met de studieadviseurs voor een uitzondering.
4. Voor bepaalde vakken geldt dat de student alleen mag deelnemen aan het onderwijs en de tentamens op voorwaarde dat hij eerdere vakken heeft behaald. De controle op deze ingangseisen vindt uiterlijk plaats in de vierde collegeweek van het vak wanneer de cijfers voor het vereiste vak geregistreerd zijn. In deel B staan de ingangseisen per vak vermeld. In de studiegids staat tevens vermeld of het vak ook openstaat voor studenten zonder inschrijving voor de opleiding.
5. Voor bepaalde vakken geldt dat de student alleen mag deelnemen aan het tentamen op voorwaarde dat hij aanwezig is bij de (werk)colleges van het vak.
6. Studenten die deelnemen aan een studiereis die door de onderwijsdirecteur is goedgekeurd, hebben recht op alternatieve mogelijkheden om te voldoen aan aanwezigheidsverplichtingen gedurende de tijd van de goedgekeurde studiereis.
7. Studenten die ingeschreven staan bij een masteropleiding kunnen niet deelnemen aan tentamens en examens in bacheloropleidingen. Studenten die nog niet hun volledige bachelorprogramma hebben afgerond, maar onder voorwaarden zijn toegelaten tot het masterprogramma zoals beschreven in artikel 2.1 lid 3, kunnen zich inschrijven voor EB bachelorvakken die onderdeel uitmaken van het nog af te ronden bachelorprogramma.

Artikel 3.2 Vorm van tentaminering

1. De wijze van tentaminering en beoordeling wordt vermeld in de studiegids.
2. De tentaminering van een vak dient voor ten minste 60% te bestaan uit een individueel te beoordelen prestatie van de student, tenzij anders bepaald in deel B.
3. Voor deeltentamens kan een minimum worden gesteld om het vak met succes te kunnen voltooien. Voor elk eindtentamen geldt dat minstens een 5,0 of een 5,5) behaald moet worden vóór toepassing van enige afronding. Indien de tentaminering van een vak uitsluitend bestaat uit centraal afgenomen tentamens, dan dient een minimum van 5,0 voor het eindtentamen te worden behaald.
4. Een bonus mag maximaal 0,5 punt bevatten en zal alleen worden toegekend als het eindcijfer zonder bonus minimaal een 5,50 of hoger is.
5. Voor vakken met een schriftelijk tentamen heeft de student recht op een representatief voorbeeldtentamen met uitwerkingen. Dit voorbeeldtentamen dient representatief te zijn wat betreft lengte, soort vragen en inhoud en dient uiterlijk een week voor het tentamen op Canvas te worden gepubliceerd.

Artikel 3.3 Mondeling eindtentamen

1. Bij het afnemen van een mondeling eindtentamen is een tweede beoordelaar aanwezig.
2. De examinerator maakt een audio-opname van de vragen en antwoorden van een mondeling eindtentamen.
3. Het mondeling afnemen van een toets is openbaar, tenzij de examencommissie in een bijzonder geval anders heeft bepaald.

Artikel 3.4 Tentamenmogelijkheden

1. Tot het afleggen van eindtentamens van vakken binnen een opleiding wordt twee maal per studiejaar de gelegenheid gegeven. Voor een deeltentamen wordt geen aparte mogelijkheid tot herkansing aangeboden.
2. Bij hertentamens tellen de resultaten van deeltentamens niet mee en wordt de gehele stof geëxamineerd.
3. Er is geen herkansingsmogelijkheid voor een stage of scriptie als deze met een voldoende is beoordeeld.
4. In geval van een hertentamen of tweede tentamen voor hetzelfde vak geldt het laatste eindcijfer.
5. Het hertentamen vindt niet plaats binnen tien werkdagen na de bekendmaking van de uitslag van het eerste tentamen behorende bij het vak.

6. Een student kan in aanmerking komen voor een extra tentamenkans in augustus als aan de volgende eisen is voldaan:
 - het vak waarvoor de extra tentamenkans wordt aangevraagd, wordt door EB aangeboden
 - de student heeft, op één vak na, alle vakken van het studieprogramma behaald
 - de scriptie dient uiterlijk bij de eerste kans van collegejaar 2020-2021 behaald te zijn
 - de student heeft beide tentamenpogingen van het huidige collegejaar benut
 - het resultaat van in ieder geval één van de hierboven genoemde tentamenpogingen is ten minste een 5,0.

Artikel 3.5 Cijfers

1. Eindcijfers worden gegeven op een schaal van 1 tot en met 10 en worden afgerond op het dichtstbijzijnde halve cijfer met uitzondering van de 5,5. Een 5,5 mag niet worden toegekend: cijfers (van) 4,75 tot (exclusief) 5,5 worden afgerond op een 5. Cijfers van (en inclusief) 5,5 tot (exclusief) 6,25 worden afgerond op een 6.
2. Het eindcijfer van een vak is voldoende bij een 6 of hoger.
3. Cijfers van deelttentamens en eindtentamens worden niet afgerond.
4. Als aan een van de voorwaarde om een vak succesvol af te ronden niet is voldaan, dan wordt het eindcijfer het gewogen gemiddelde met een maximum van een 5.
5. Indien het judicium voor een vak niet in een cijfer wordt uitgedrukt dan wordt een AVV (aan alle verplichtingen voldaan) of een NAV (niet aan verplichtingen voldaan) toegekend.
6. Studenten die niet deelnemen aan het tentamen waarvoor zij staan ingeschreven, krijgen het resultaat NA (niet aanwezig).

Artikel 3.6 Vaststelling en bekendmaking van de uitslag

1. De examinator stelt de uitslag van een tentamen uiterlijk binnen vijftien werkdagen na het eindtentamen vast. De onderwijsadministratie registreert binnen drie werkdagen de eindcijfers in SIS.
2. Voor centraal afgenomen deelttentamens geldt een nakijktermijn van tien werkdagen. Deze uitslagen worden via Canvas bekendgemaakt, waarbij studenten uitsluitend worden aangeduid met hun studentnummer.
3. De examinator stelt na het afnemen van een mondeling eindtentamen de uitslag direct vast en maakt deze bekend aan de student.
4. Bij de bekendmaking van de uitslag van een vak wordt de student gewezen op het recht van inzage.
5. Een student kan beroep aantekenen tegen de wijze waarop de uitslag tot stand is gekomen bij het College van Beroep voor de Examens binnen een termijn van zes weken na bekendmaking van de uitslag.

Artikel 3.7 Inzagerecht en nabespreking

1. Binnen 25 werkdagen na het eindtentamen of het hertentamen heeft de student recht op inzage en nabespreking van zijn beoordeelde werk behorende bij het vak. De student krijgt daarbij inzage in de normen aan de hand waarvan de beoordeling heeft plaatsgevonden.
2. Uiterlijk een week voordat het eindtentamen plaatsvindt, zal de mogelijkheid worden geboden voor tussentijdse (collectieve) feedback op het deelttentamen.
3. Via Canvas wordt minimaal vijf werkdagen van tevoren de plaats en tijd van de inzage en nabespreking bekendgemaakt.
4. Indien de student vanwege persoonlijke omstandigheden (zoals genoemd in de Regels en Richtlijnen van de examencommissie artikel 8.2) of deelname aan onderwijs verhinderd is, wordt hem een alternatieve mogelijkheid geboden.

Artikel 3.8 Vrijstelling

1. De examencommissie kan vrijstelling verlenen voor een vak, wanneer een student een vak heeft voltooid dat qua inhoud en niveau overeenkomstig is met het vak waarvoor vrijstelling wordt aangevraagd. De scriptie is van de vrijstellingsmogelijkheid uitgezonderd.
2. De maximale omvang van de vrijstellingen voor het voldoen aan de eisen van het masterexamen worden vermeld in artikel 4.5 van deel B.
3. Voor verplichte vakken geldt dat geen vrijstelling wordt verleend wanneer het vervangende vak is gevolgd tijdens de reguliere inschrijving voor de opleiding.

Artikel 3.9 Geldigheidsduur resultaten

1. Behaalde mastervakken hebben een gegarandeerde geldigheidsduur van drie jaar. De examencommissie zal de geldigheidsduur van behaalde vakken verlengen, wanneer deze inhoudelijk niet gewijzigd zijn en nog onderdeel uitmaken van het studieprogramma.
2. Anders dan is bepaald in lid 1, is het resultaat van een deelttentamen geldig tot en met het eerste eindtentamen dat wordt aangeboden. Indien een deelttentamen een praktische oefening is, kan worden bepaald dat deze geldig is tot en met het hertentamen, op voorwaarde dat de student nog steeds een redelijke kans heeft om het vak te halen.

Artikel 3.10 Masterexamen

1. De examencommissie stelt de uitslag en de datum van afstuderen vast, indien zij heeft vastgesteld dat de student de tot de opleiding behorende vakken succesvol heeft afgerond en de student hiertoe een verzoek heeft ingediend.
2. Een getuigschrift kan slechts worden uitgereikt, nadat het College van Bestuur heeft verklaard dat de student aan alle procedurele vereisten heeft voldaan, waaronder de betaling van het collegegeld.

3. Aan degene die het examen met goed gevolg heeft afgelegd en aan de overige door de wet gestelde eisen heeft voldaan, wordt de graad Master of Science, afgekort tot MSc, verleend.
4. De examencommissie kan besluiten dat in het geval van uitzonderlijke bekwaamheid dit op het getuigschrift wordt vermeld met de kwalificatie cum laude.
5. Ten bewijze dat het examen met goed gevolg is afgelegd, wordt door de examencommissie een getuigschrift uitgereikt. Aan het getuigschrift wordt een diplomasupplement toegevoegd dat inzicht verschaft in de aard en de inhoud van de afgeronde opleiding.
6. Degene die minstens één vak succesvol heeft afgerond en aan wie geen getuigschrift kan worden uitgereikt, ontvangt desgevraagd een verklaring van de examencommissie met daarop vermeld de door hem succesvol afgeronde vakken.

Artikel 3.11 Overgangsregeling

Voor de student die op de datum van de inwerkingtreding van deze onderwijs- en examenregeling één of meer vakken succesvol heeft afgerond, maar nog niet het examen, en die in zijn belangen geschaad wordt door deze onderwijs- en examenregeling, wordt door de examencommissie een overgangsregeling vastgesteld.

Artikel 3.12 Fraude en plagiaat

Bij de detectie van plagiaat in teksten wordt gebruik gemaakt van elektronische detectieprogramma's. Met het aanleveren van de tekst geeft de student impliciet toestemming tot het opnemen van de tekst in de database van het betreffende detectieprogramma.

4. Studiebegeleiding en studievoortgang

Artikel 4.1 Studievoortgangsadministratie en studiebegeleiding

1. De decaan van EB is verantwoordelijk voor de registratie van de studieresultaten in SIS.
2. Studiebegeleiding (bijvoorbeeld werkcolleges, scriptiebegeleiding en practica) vindt plaats binnen de vakken en wordt beschreven in de studiegids. Aanvullend kunnen studenten contact opnemen met een studieadviseur (zie: student.uva.nl/ecb/az > Studieadviseurs).

Artikel 4.2 Aanpassingen ten behoeve van een student met een functiebeperking

1. Een student met een functiebeperking kan in aanmerking komen voor aanpassingen in het onderwijs en bij tentamens als de student in het bezit is van een verklaring van de studentendecaan. Deze aanbeveling is mede gebaseerd op een recente verklaring van een arts of psycholoog.
2. Op verzoeken over aanpassingen van onderwijsorganisatie en -logistiek, beslist de decaan. Op verzoeken voor aanpassingen die de tentaminering betreffen, beslist de examencommissie.
3. Indien de beperking aanleiding geeft tot verlenging van de tijd waarbinnen het tentamen dient te worden afgelegd, verstrekt de studentendecaan een verklaring, waaruit het recht op die verlenging blijkt. Indien een beperking aanleiding is tot het treffen van andere voorzieningen, verstrekt de studentendecaan een verklaring inzake deze voorziening.

5. Hardheidsclausule

In gevallen waarin de onderwijs- en examenregeling niet voorziet, en in gevallen waarin sprake is van onevenredige benadeling of onbillijkheid van overwegende aard, beslist de decaan waaronder de opleiding valt, tenzij het de bevoegdheid van de examencommissie betreft.

6. Inwerkingtreding

Deel A van deze regeling treedt in werking met ingang van 1 september 2020

Advies en instemming opleidingscommissies:

- Economics and Business Economics (OC-EBE&FE) op 11 maart 2020
- Business Administration (OC-BA) op 10 juni 2020
- Actuariële Wetenschappen en Econometrie (OC-AE) op 8 juni 2020
- Advies Ondernemingsraad (OR) op 11 juni 2020
- Advies en instemming Facultaire Studentenraad (FSR) op 18 september 2020.

Vastgesteld door de decaan van Economie en Bedrijfskunde op 18 september 2020.

Deel B: Opleidings specifiek deel

B1: Master's Programme in Accountancy and Control

1. General provisions

Article 1.1 Programme characteristics

- a. The Master Accountancy and Control CROHO number 60900 is offered full-time and part-time in English.
b. The part-time programme has a nominal study period of 1,5 years.
- The programme has a workload of 60 EC.

Article 1.2 Enrolment

The intake date for each of the study programme specialisations is 1 September. Students may also enroll on 1 February. In that case the study programme cannot be fully completed within one year and the workload will not be spread evenly throughout the academic year.

2. Programme content

Article 2.1 Aim of the programme

Objective

The programme is aimed at developing an academic level of professional and intellectual ability in the field of Accountancy and Control. Students will acquire knowledge of the relevant scientific literature and receive training in the methods and skills to apply this knowledge. Students are therefore trained for professions that apply this knowledge at an academic level.

The programme provides knowledge and insights into both national and international Accountancy and Control issues. The focus is on generating and evaluating (financial) information for stakeholders that are external and internal to an organisation, using this information in managing and controlling an organisation, and assuring the quality of this information. Upon completion of the programme, the graduate is able to analyse issues in Accountancy and Control based on theoretical concepts, to critically evaluate solutions proposed for addressing problems in theory and practice, and to develop alternative solutions grounded in theory and the state-of-the art academic

literature. Detailed knowledge at a high academic level is combined with practical examples and applications. Thus, students learn both how to generate information (e.g., calculating performance measures following under different accounting standards), and why organisations choose a specific way of generating this information.

The programme offers two tracks: an accountancy track and a control track. Students are required to select one of these tracks and must pass all of its courses. Students are also allowed to follow both tracks. Both tracks will be mentioned on the degree if the student passed all courses for both tracks.

- The accountancy track deepens and expands graduates' knowledge of how technology and international regulations shape financial information, and their understanding of the role of accounting from the perspective of auditors, managers, and investors.
- The control track deepens and expands graduates' knowledge of how organisations translate their strategy into financial plans and investment decisions, and their understanding of how technology, economics and psychology influence financial decision making.

Article 2.2 Exit qualifications

After completion of the programme, students have:

Knowledge and understanding

- a thorough knowledge of the areas of management control, financial reporting, accountability and corporate governance processes, data analytics, and judgment and decision making
- Track Accountancy: a thorough knowledge of the area of accountancy, including:
 - various financial reporting standards
 - the way in which external auditors can verify the reliability of financial and non-financial reporting
 - empirical research in financial accounting.
- Track Control: a thorough knowledge of the area of control, including:
 - goals, uses and techniques of quantitative decision making in organisations
 - corporate financial management decisions
 - empirical research in management accounting.

Applying knowledge and understanding

- the ability to use financial and non-financial information in reporting on organisational performance, decision-making and control
- the ability to conduct research at an academic level.

Making judgements

- insights in the impact of social and political processes on organisations' accounting choices, as well as the role of ethics, professionalism and codes of conduct
- the ability to critically evaluate and discuss empirical research in the area of the specialisation.

Communication

- the ability both to function independently and to cooperate constructively within a team based on a professional and multidisciplinary attitude
- the ability to effectively interact with an international team in the chosen professional field and to manage challenges from diverse perspectives
- the ability to clearly communicate and professionally present (orally and in writing) information for a (non-) expert audience.

Lifelong learning skills

- acquired academic and professional skills that enables the student to think critically and to analyse situations in their chosen professional field through analytical thinking skills.

3. Admission criteria

- Applicants to the master programme need to show that they have obtained the following knowledge and skills at the level of an academic bachelor programme:
 - Intermediate financial accounting
 - Intermediate management accounting
 - Intermediate finance
 - Qualitative and quantitative research methods including mathematical methods.
- Applications are assessed by the Admissions Board. Students holding a Bachelor's degree in Economics and Business specialisation Accountancy and Control, Business Administration specialisation Accountancy and Control or Economics and Business Economics specialisation Accounting and Control of the University of Amsterdam are unconditionally eligible for admission to the programme.

- In addition to the requirements listed in paragraph 1, the Admissions Board will assess the application on the following criteria:
 - motivation, as evidenced by a motivation letter
 - being in good standing at previous institutions, as evidenced by a reference letter from an instructor at a previous institution
 - grade point average
 - GMAT / GRE score.
- The applicant has to meet all requirements before being allowed to enter the programme.

4. Curriculum structure

Article 4.1 Components

The programme consists of:

- compulsory courses, including the Master's thesis
- track-specific courses

Article 4.2 Curriculum

Master's programme in Accountancy and Control – track Accountancy

FIRST SEMESTER			SECOND SEMESTER		
Period 1	Period 2	Period 3	Period 4	Period 5	Period 6
International Financial Reporting Standards (5 EC)	Accountability & Risk Management (5 EC)	Research Seminar Accountancy & Control (5 EC)	Financial Statement Analysis & Valuation (5 EC)	Judgment & Decision Making in Accounting (5 EC)	Master's Thesis Accountancy & Control (12 EC)
Incentives & Control (5 EC)	Financial Accounting Research (5 EC)		Auditing (5 EC)	Business Lab: Accounting (3 EC)	
Data Analytics & Professional Skills (5 EC)					

Master's programme in Accountancy and Control – track Control

FIRST SEMESTER			SECOND SEMESTER		
Period 1	Period 2	Period 3	Period 4	Period 5	Period 6
International Financial Reporting Standards (5 EC)	Accountability & Risk Management (5 EC)	Research Seminar Accountancy & Control (5 EC)	Financial Statement Analysis & Valuation (5 EC)	Judgment & Decision Making in Accounting (5 EC)	Master's Thesis Accountancy & Control (12 EC)
Incentives & Control (5 EC)	Strategic Value Management (5 EC)		Corporate Financial Management (5 EC)	Business Lab: Control (3 EC)	
Data Analytics & Professional Skills (5 EC)					

■ Compulsory course ■ Elective course ■ Track course

In addition to Part A, article 3.2, for both Business Labs Control & Accountancy, an exception on the 60% individual assessment is made.

4.3 Course list

The following course list is also included in the digital UvA Course Catalogue 2020-2021.

Course Code	Course Name	Period	Entry Requirement
6314M0410	Master's Thesis Accountancy & Control (12 EC)	1-3 only parttime programme 4-6	Research Seminar Accountancy & Control (6314M0411)
6314M0403	Accountability & Risk Management (5 EC)	2	
6314M0402	Data Analytics & Professional Skills (5 EC)	1, 2 fulltime 5 parttime	
6314M0405	Financial Statement Analysis & Valuation (5 EC)	4	
6314M0400	International Financial Reporting Standards (5 EC)	1	
6314M0401	Incentives & Control (5 EC)	1	
6314M0407	Judgment & Decision Making in Accounting (5 EC)	5	
6314M0411	Research Seminar Accountancy & Control (5 EC)	3 fulltime 4 parttime	
6314M0271	Master internship Accountancy & Control (15 EC)		See article 4.6 Practical training

Track Accountancy

6314M0038	Financial Accounting Research (5 EC)	2
6314M0406	Auditing (5 EC)	4
6314M0408	Business Lab: Accountancy (3 EC)	5
Track Control		
6314M0404	Strategic Value Management (EC)	2
6314M0035	Corporate Financial Management (5 EC)	4
6314M0409	Business Lab: Control (3 EC)	5

Article 4.4 Electives

Electives are no part of this master's programme.

Article 4.5 Exemptions

It is not possible to obtain credits through exemptions.

Article 4.6 Practical training

- Students who are registered for the MSc Accountancy and Control and who have finished 45 EC of their curriculum may do an internship for 15 EC. It is a student's responsibility to find an internship.
- The internship must be completed within 6 months after the nominal timeframe for graduation.
- The procedure and learning objectives of the internship are described in the Course Catalogue, special conditions apply for non-EU students.

5. Transitional arrangements

5.1 New course(s)

Students who started before 1 September 2020 with the Master's programme Accountancy & Control and have not yet passed the old course(s), must follow the new course(s) as mentioned in the table below.

1.Track Accountancy

If you have not yet passed the old course, you must take the new (changed) course.

Old course	New course / adjustment
International Financial Reporting Standards 1 (Period 1, 6314M0030)	International Financial Reporting Standards (Period 1, 6314M0400)
Management Control (Period 1, 6314M0032)	Incentives and Control (Period 1, 6314M0401)
Financial Accounting Research (Period 2, 6314M0038)	No changes
Sustainability Accountability & Ethics* (Period 2, 6314M0037)	Judgment & Decision-Making in Accounting* (Period 5, 6314M0407)
Accounting Research Seminar & Professional Skills** (Period 1, 2, 6314M0331)	Research Seminar Accountancy & Control (Period 3, 6314M0411) (In parttime programme: period 1 and 4)
Accounting Information Systems (Period 3, 6314M0258)	Data Analytics & Professional Skills (Period 1, 2, 6314M0402) (In parttime programme: period 5)
Assurance (Period 4, 6314M0036)	Auditing (Period 4, 6314M0406)
Internal Control & Risk Management (Period 4, 6314M0259)	Accountability & Risk Management (Period 2, 6314M0403)

Old course	New course / adjustment
International Financial Reporting Standards 2 (Period 5, 6314M0031)	<i>Financial Statement Analysis & Valuation</i> (Period 4, 6314M0405) Students who passed the course <i>Financial Statement Analysis</i> (6012B0410/6612ZD008Y) are allowed to replace this course with <i>Corporate Financial Management</i> (Period 4, 6314M0035)
Master's Thesis Accountancy & Control (Period 4-6, 6314M0330, 15 EC)	Master's Thesis Accountancy & Control (Period 4-6, 6314M0410, 12 EC) (Parttime programme: also offered in period 1-3) and Business Lab: Accountancy (Period 5, 6314M0408, 3 EC) Only students who have passed one of the old courses <i>Accounting Research Seminar & Professional Skills</i> (6314M0331) or <i>Research Seminar Accountancy & Control</i> (6314M0041) can write an old style <i>Master's Thesis Accountancy & Control</i> (6314M0330) for 15 EC. The 15 EC thesis is possible until 31-08-2021.

* Students that did not pass *Sustainability Accountability & Ethics* (6314M0037), but have passed *Internal Control & Risk Management* (6314M0259) in 2019-2020, may follow the course *Accountability & Risk Management* (6314M0403). This is only possible in the academic year 2020-2021.

Students that did not pass both courses *Sustainability Accountability & Ethics* (6314M0037) and *Internal Control & Risk Management* (6314M0259) will need to follow both *Accountability & Risk Management* (6314M0403) and *Judgment & Decision Making in Accounting* (6314M0407).

** The course *Accounting Research Seminar & Professional Skills* (6314M0331) will be offered once more only to students of the parttime programme. Parttime students who want to write their Master's Thesis Accountancy & Control starting November 2020 or starting March 2021 are required to follow this course *Accounting Research Seminar & Professional Skills* (6314M0331).

2. Track Control

If you have not yet passed the old course, you must take the new (changed) course.

Old course	New course / adjustment
International Financial Reporting Standards 1 (Period 1, 6314M0030)	International Financial Reporting Standards (Period 1, 6314M0400)
Management Control (Period 1, 6314M0032)	Incentives and Control (Period 1, 6314M0401)
Management Control Research (Period 2, 6314M0033)	Strategic Value Management (Period 2, 6314M0404)
Sustainability Accountability & Ethics* (Period 2, 6314M0037)	Judgment & Decision-Making in Accounting* (Period 5, 6314M0407)
Accounting Research Seminar & Professional Skills** (Period 1, 2, 6314M0331)	Research Seminar Accountancy & Control (Period 3, 6314M0411) (In parttime programme: period 1 and 4)
Accounting Information Systems (Period 3, 6314M0258)	Data Analytics & Professional Skills (Period 1, 2, 6314M0402) (In parttime programme: period 5)
Corporate Financial Management (Period 4, 6314M0035)	No changes
Internal Control & Risk Management (Period 4, 6314M0259)	Accountability & Risk Management (Period 2, 6314M0403)
	Financial Statement Analysis & Valuation (Period 4, 6314M0405)
Management Accounting (Period 5, 6314M0330)	Students who passed the course <i>Financial Statement Analysis</i> (6012B0410/6612ZD008Y) before 1 September 2019 may request permission to replace this course with Auditing (Period 4, 6314M0406).
	Master's Thesis Accountancy & Control (Period 4-6, 6314M0410, 12 EC) and Business Lab: Control (Period 5, 6314M0409, 3 EC)
Master's Thesis Accountancy & Control (Period 4-6, 6314M0330, 15 EC)	Only students who have passed one of the old courses <i>Accounting Research Seminar & Professional Skills</i> (6314M0331) or <i>Research Seminar Accountancy & Control</i> (6314M0041) can write an old style Master's Thesis Accountancy & Control (6314M0330) for 15 EC. The 15 EC thesis is possible until 31-08-2021.

* Students that did not pass *Sustainability Accountability & Ethics* (6314M0037), but have passed *Internal Control & Risk Management* (6314M0259) in 2019-2020, may follow the course *Accountability & Risk Management* (6314M0403). This is only possible in the academic year 2020-2021.

Students that did not pass both courses *Sustainability Accountability & Ethics* (6314M0037) and *Internal Control & Risk Management* (6314M0259) will need to follow both *Accountability & Risk Management* (6314M0403) and *Judgment & Decision Making in Accounting* (6314M0407).

** The course *Accounting Research Seminar & Professional Skills* (6314M0331) will be offered once more only to students of the parttime programme. Parttime students who want to write their Master's Thesis Accountancy & Control starting November 2020 or starting March 2021 are required to follow this course *Accounting Research Seminar & Professional Skills* (6314M0331).

6. Effective date

This regulation comes into force as of 1 September 2020

- Advice and consent from the Programme Committee Economics and Business Economics & Fiscal Economics (OC-EBE&FE) on 11 March 2020
- Advice of the Works Council (OR) on 11 June 2020
- Advice of and approved by the Faculty Student Council (FSR) on 18 September 2020.

Adopted by the Dean of the Faculty of Economics and Business on 18 September 2020.

B2: Master's Programme in Actuarial Science and Mathematical Finance

1. General provisions

Article 1.1 Programme characteristics

1. The MSc Actuarial Science and Mathematical Finance CROHO number 66411 is offered full-time in English.
2. The programme has a workload of 60 EC.

Article 1.2 Enrolment

The intake date for each of the study programme specialisations is 1 September. Students may also enrol on 1 February, but in that case the study programme cannot be fully completed within one year, or the workload will not be spread evenly throughout the Academic year.

2. Programme content

Article 2.1 Aim of the programme

Objective

The programme is aimed at developing an academic level of intellectual and professional ability. Students develop a thorough knowledge and understanding of the academic literature in the Actuarial Science & Mathematical Finance domain, and are trained in the methods and skills to apply this knowledge. They are hence educated for professions requiring academic levels of Actuarial Science & Mathematical Finance knowledge.

Actuarial Science & Mathematical Finance: Specialisations "General" and "Quantitative Risk Management". The specialisation "Quantitative Risk Management" is identical to the specialisation "General" except that it requires two compulsory courses, aimed at a broader quantitative risk management expertise, instead of two restricted elective courses. For suitable candidates this study programme also provides an excellent grounding for a subsequent PhD programme.

Article 2.2 Exit qualifications

After completion of the programme, students have:

Knowledge and understanding

- thorough knowledge of modern actuarial theory and financial mathematics, and their sub-fields of life insurance and pensions mathematics, non-life insurance mathematics, derivative pricing, and quantitative risk management
- specialised knowledge in the fields listed above.

Applying knowledge and understanding

- the ability to apply actuarial theories and financial mathematical methods in practical settings.

Making judgements

- the ability to understand the applicability, scope and limits of actuarial theories and financial mathematical methods in practical settings.

Communication

- the ability both to function independently and to cooperate constructively within a team based on a professional and multidisciplinary attitude
- the ability to effectively interact with an international team in the chosen professional field and to manage challenges from diverse perspectives
- the ability to clearly communicate and professionally present (orally and in writing) information for a (non-) expert audience.

Lifelong learning skills

- acquired academic and professional skills that enables the student to think critically and to analyse situations in their chosen professional field through analytical thinking skills.

3. Admission criteria

- Applicants to the master programme need to show that they have obtained the following knowledge and skills at the level of an academic bachelor programme:
 - probability and mathematical statistics (as in a mathematics degree)
 - linear algebra and calculus or analysis (as in a mathematics degree)
 - preferably some actuarial science, econometrics, and financial mathematics.
- Applications are assessed by the Admissions Board. Students holding a Bachelor's degree in Actuarial Sciences of the University of Amsterdam are unconditionally eligible to the programme.
- In addition to the requirements listed in paragraph 1, the Admissions Board will assess the application on the following criteria:
 - motivation, as evidenced by a motivation letter and overall academic performance
 - being in good standing at previous institutions, as evidenced by a reference letter from an instructor at a previous institution
 - grade point average
 - GMAT / GRE score.
- The applicant has to meet all requirements before being allowed to enter the programme.

4. Curriculum structure

Article 4.1 Components

The programme consists of:

- compulsory courses, including the Master's thesis
- track-specific courses
- elective courses

Article 4.2 Curriculum

The Master's Programme in Actuarial Science and Mathematical Finance offers two specialisations:

- Actuarial Science and Mathematical Finance: General; and
- Actuarial Science and Mathematical Finance: Quantitative Risk Management.

Programme Actuarial Science and Mathematical Finance: General

FIRST SEMESTER			SECOND SEMESTER		
Period 1	Period 2	Period 3	Period 4	Period 5	Period 6
Principles of the Mathematics and Economics of Risk (5 EC)	Financial Mathematics for Insurance (5 EC)	Restricted elective	Restricted elective	Asset Liability Management – Cases and Skills (5 EC)	Master's Thesis Actuarial Science and Mathematical Finance: General (15 EC)
Non-Life Insurance: Statistical Techniques and Data Analytics (5 EC)	Restricted elective		Stochastic Calculus (5 EC)		
Risk Management for Insurers and Pensions (5 EC)					

Programme Actuarial Science and Mathematical Finance: Quantitative Risk Management

FIRST SEMESTER			SECOND SEMESTER		
Period 1	Period 2	Period 3	Period 4	Period 5	Period 6
Principles of the Mathematics and Economics of Risk (5 EC)	Financial Mathematics for Insurance (5 EC)	Restricted elective	Financial Econometrics (5 EC)	Asset Liability Management – Cases and Skills (5 EC)	Master's Thesis Actuarial Science and Mathematical Finance: Quantitative Risk Management (15 EC)
Non-Life Insurance: Statistical Techniques and Data Analytics (5 EC)	Banking Risk Management (5 EC)		Stochastic Calculus (5 EC)		
Risk Management for Insurers and Pensions (5 EC)					

■ Compulsory course ■ Elective course ■ Track course

Article 4.3 Course list

The following curriculum is also included in the digital UvA Course Catalogue 2020-2021.

Actuarial Science and Mathematical Finance – general specialisation:

Course Code	Course Name	Period	Entry Requirement
Compulsory courses			
6414M0279	Master's Thesis Actuarial Science and Mathematical Finance: General (15 EC)	1-3 4-6	20 EC completed of the Master's programme
6414M0307	Asset Liability Management – Cases and Skills (5 EC)	5	
6414M0309	Financial Mathematics for Insurance (5 EC)	2	
6414M0327	Non-Life Insurance : Statistical Techniques and Data Analytics (5 EC)	1	
6414M0330	Risk Management for Insurers and Pensions (5 EC)	1, 2	
6414M0328	Principles of the Mathematics and Economics of Risk (5 EC)	1	
6414M0013	Stochastic Calculus (5 EC)	4, 5	
Restricted electives			
6414M0305	Actuarial Science of Pensions and Ageing (5 EC)	2	
6414M0329	Retirement Savings and Investment Decisions (5 EC)	4	
6414M0308	Banking Risk Management (5 EC)	2	
6414M0219	Machine Learning for Econometrics (5 EC)	2	
6414M0360	Quantitative Models in Online Marketing (5 EC)	4, 5	
6414M0306	Advanced Mathematics and Economics of Risk (5 EC)	3	
6414M0172	Experimental Economics (5 EC)	3	
6414M0155	Financial Institutions and Banking (5 EC)	3	

Actuarial Science and Mathematical Finance – specialisation Quantitative Risk Management:

Course Code	Course Name	Period	Entry Requirement
Compulsory courses			
6414M0280	Master's Thesis Actuarial Science and Mathematical Finance: Quantitative Risk Management (15 EC)	1-3 4-6	20 EC completed of the Master's programme
6414M0307	Asset Liability Management – Cases and Skills (5 EC)	5	
6414M0007	Financial Econometrics (5 EC)	4	
6414M0309	Financial Mathematics for Insurance (5 EC)	2	
6414M0327	Non-Life Insurance : Statistical Techniques and Data Analytics (5 EC)	1	
6414M0330	Risk Management for Insurers and Pensions (5 EC)	1, 2	
6414M0308	Banking Risk Management (5 EC)	2	
6414M0328	Principles of the Mathematics and Economics of Risk	1	
6414M0013	Stochastic Calculus (5 EC)	4, 5	
Restricted electives			
6414M0329	Retirement Savings and Investment Decisions (5 EC)	4	
6414M0360	Quantitative Models in Online Marketing (5 EC)	4, 5	
6414M0306	Advanced Mathematics and Economics of Risk (5 EC)	3	
6414M0172	Experimental Economics (5 EC)	3	
6414M0155	Financial Institutions and Banking (5 EC)	3	
6414M0305	Actuarial Science of Pensions and Ageing (5 EC)	2	

Article 4.4 Electives

The restricted electives of this programme are mentioned in the course list in article 4.3 of this B part. In exceptional cases, in consultation with the Programme Director and subject to the approval of the Examinations Board, courses from other study programmes may also be included as an elective.

Article 4.5 Exemptions

A maximum of 15 credits in the Master's curriculum may be accumulated through granted exemptions.

5. Transitional arrangements

5.1 New course(s)

Students who started before 1 September 2020 with the Master's programme Actuarial Science and Mathematical Finance and have not yet passed the old course(s), must follow the new course(s) as mentioned in the table below.

Old course	New course / adjustment
Asset Liability Management – Cases (6414M0214) (6 EC)	Asset Liability Management – Cases and Skills (6414M0307) (5 EC)
Non-Life Insurance: Statistical Techniques (6414M0213) (6 EC)	Non-Life Insurance: Statistical Techniques and Data Analytics (6414M0327) (5 EC)
Principles of the Mathematics and Economics of Risk I (6414M0302) (3 EC) and/or Principles of the Mathematics and Economics of Risk II (6414M0303) (2 EC)	Principles of the Mathematics and Economics of Risk (6414M0328) (5 EC) This course cannot be combined with the course (s) Principles of the Mathematics and Economics of Risk I or II, due to overlap
Caput Insurance (6414M0218) (6 EC)	Advanced Mathematics and Economics of Risk (6414M0306) (5 EC)
Financial Mathematics for Insurance (6414M0211) (6 EC)	Financial Mathematics for Insurance (6414M0309) (5 EC)
Risk Management for Insurers and Pensions (6414M0212) (6 EC)	Risk Management for Insurers and Pensions (6414M0330) (5 EC)
Banking Risk Management (6414M0271) (7 EC)	Banking Risk Management (6414M0308) (5 EC)
Actuarial Science of Pensions and Ageing (6414M0300) (6 EC)	Actuarial Science of Pensions and Ageing (6414M0305) (5 EC)
Retirement Savings and Investment Decisions (6414M0301) (6 EC)	Retirement Savings and Investment Decisions (6414M0329) (5 EC)

Students who started with the master's programme before 1 September 2020, and who have not yet passed one or more old 6/7 EC courses, are also allowed to take these courses again for 6/7 EC. In that case they have to take the new 5 EC course, as well as an additional assignment for 1/2 EC. This rule only applies to the Academic Year 2020-2021. After this year, students will no longer be allowed within this programme to take 6 or 7 EC courses, only 5 EC courses will be offered.

The courses Principles of the Mathematics and Economics of Risk and Stochastic Calculus have become a compulsory part of the MSc programme. This does, however, not apply to students who have started this programme prior to September 2020.

6. Effective date

This regulation comes into force as of 1 September 2020

- Advice and consent from the Programme Committee Actuarial Science and Econometrics (OC-AE) on 8 June 2020
- Advice of the Works Council (OR) on 11 June 2020
- Advice of and approved by the Faculty Student Council (FSR) on 18 September 2020.

Adopted by the Dean of the Faculty of Economics and Business on: 18 September 2020.

1. General provisions

Article 1.1 Programme characteristics

1. The MSc Business Administration CROHO number 60644 is offered full-time in English.
2. The programme has a workload of 60 EC.

Article 1.2 Enrolment

The intake date for each of the study programme tracks is 1 September. The tracks Digital Marketing, Consumer Marketing, and International Business also allow an intake date on 1 February.

2. Programme content

Article 2.1 Aim of the programme

Objective

Business Administration as a science is concerned with the interdisciplinary study of complex organisational issues in their context. Education and research in Business Administration aim to develop knowledge of analysing and developing (processes in) organisations, making them more effective and efficient. The Master's programme in Business Administration is directed at developing an academic level of thinking and working within this field. Next to being scientifically relevant, the acquired business knowledge is relevant for practical purposes, such as giving advice, operations management and policy formulation. In the programme, students acquire knowledge of relevant and recent academic literature in the field of Business Administration and receive training in the methods and skills required to apply this knowledge in research and analysis, as well as in dealing with real-life issues in a multidisciplinary and international context. The students are trained for those professions in which business knowledge is required at an academic level.

In this degree programme, students can compile their own curriculum in various specialist fields, known as tracks. The exit qualifications should therefore partially be differentiated according to the following tracks:

1. Strategy: Focuses on the main strategic issues that firms face in relation to how they interact with their competitive and institutional environment and how they are organised internally.
2. International Business: Focuses on the ways in which organisations engage in international business and how countries differ systematically in terms of resource endowments, market opportunities, culture and regulatory frameworks.
3. Digital Marketing: Focuses on how the marketing function creates and captures customer value, with an emphasis on the impact of marketing analytics and digitisation of the business environment on marketing processes.
4. Consumer Marketing: Focuses on the consumer as the focal point in the function of marketing and customer value creation, with an emphasis on consumer behavior, consumer psychology, and consumer research as fundamental components driving marketing decisions.
5. Leadership and Management: Focuses on the challenges organisations are facing in terms of managing individuals, teams and organisations and the balance between organisational and employee interests.
6. Entrepreneurship and Innovation: Focuses on the process of new social or commercial venture creation, corporate entrepreneurship and innovation management.
7. Entrepreneurship and Management in the Creative Industries: Focuses on the specific characteristics of core business concepts and theories in the context of the creative industries.
8. Digital Business: Focuses on how firms undergo digital transformation, employ data, conduct operational research and new product development in a digital environment.

Article 2.2 Exit qualifications

After completion of the programme, students have:

Knowledge and Understanding

- knowledge and understanding of leading theories, models and debates in Business Administration, plus their specific areas and tracks within the program
- knowledge of business issues and challenges in an international and societal context
- thorough knowledge of current research and methodologies in one of the specialist fields.

Applying Knowledge and Understanding

- the ability to independently develop and conduct research on an academic level in one of the specialist fields of Business Administration
- the ability to use academic research methods to analyse business and management issues
- the ability to apply theories and frameworks to practical cases and managerial problems.

Making judgements

- the ability to create a well-balanced judgment relating to managerial questions and dilemmas, supported by appropriate arguments
- the sensitivity to deal with ethical dilemmas, social responsibility and sustainability as relevant business issues.

Communication

- the ability both to function independently and to cooperate constructively within a team based on a professional and multidisciplinary attitude
- the ability to effectively interact with an international team in the chosen professional field and to manage challenges from diverse perspectives
- the ability to clearly communicate and professionally present (orally and in writing) information for a (non-) expert audience.

Lifelong learning skills

- acquired academic and professional skills that enables the student to think critically and to analyse situations in their chosen professional field through analytical thinking skills.

3. Admission criteria

1. Applicants are required to have the following knowledge and skills on a third-year Bachelor-level, equivalent to a UvA degree in Economics and Business:
 - knowledge of business related issues, theories and discussions in at least two of the following fields: Strategy, International Business, Organisation, Marketing, Leadership, Entrepreneurship or Organisational Psychology
 - the ability to critically reflect on theories and research
 - the ability to conduct qualitative and quantitative research.
2. Applications are assessed by the Admissions Board. Students holding a Bachelor's degree in Economics and Business of the University of Amsterdam are unconditionally eligible for admission to the programme.
3. In addition to the requirements listed in paragraph 3.1.1, the Admissions Board will assess the applications and select students on the following criteria:
 - motivation, as evidenced by a motivation letter, overall academic performance and CV
 - being in good standing at previous institutions, as evidenced by a reference letter from an instructor at a previous institution
 - grade point average
 - GMAT / GRE score
 - status and quality of the previous institution.
4. The selection procedure as described in paragraph 3.1.3 is not applicable for students from selected programmes, including the Bachelor in Economics and Business of the University of Amsterdam and the Premaster programme Business Administration.
5. The applicant has to meet all requirements before being allowed to enter the programme.

4. Curriculum structure

Article 4.1 Components

The programme consists of

- compulsory courses
- track-specific core courses
- business lab courses
- thesis and thesis courses

Article 4.2 Curriculum

1. A study programme for the Master's programme in Business Administration consists of:

- the Theories course of the chosen track (6 EC)
- a Theories course of one of the other tracks (6 EC)
- two core courses of the chosen track (each 6 EC)
- two courses of the Business Lab (each 6 EC)
- the course Thesis Proposal (5 EC) of the chosen track
- one workshop in Research Methods (2 EC)
- one workshop in Analysis (1 EC)
- Business Seminar and Professional Skills (4 EC)
- Master's Thesis Business Administration (12 EC).

The Master's thesis must be written about a subject that is closely related to the field of the chosen track.

FIRST SEMESTER			SECOND SEMESTER		
Period 1	Period 2	Period 3	Period 4	Period 5	Period 6
Theories course in the chosen track (6 EC)	Core course in the chosen track (6 EC)	Thesis Proposal of the chosen track (5 EC)	Business Lab course (6 EC)	Business Lab course (6 EC)	Master's Thesis Business Administration (12 EC)
Theories course in a different track (6 EC)	Core course in the chosen track (6 EC)		Research Methods Workshop (2 EC)	Analysis Workshop (1 EC)	
Business Seminar and Professional Skills 1 (2 EC)			Business Seminar and Professional Skills 2 (2 EC)		

■ Compulsory course ■ Elective course ■ Track course

In addition to Part A, article 3.2, for both Business Labs, an exception on the 60% individual assessment is made.

- This schedule only applies to students starting in September. Students starting in February follow the same courses in the same order. The only exception is the Business Seminar and Professional Skills 1 & 2. Students starting in February start with Business Seminar and Professional Skills 2, followed by Business Seminar and Professional Skills 1.

Article 4.3 Course list

The following course list is also included in the digital UvA Course Catalogue 2020-2021.

Course Code	Course Name	Period	Entry Requirement
Compulsory courses for all tracks			
6314M0349	Business Seminar and Professional Skills 1 (2 EC)	1, 2 (4, 5)	
6314M0360	Business Seminar and Professional Skills 2 (2 EC)	4, 5 (1, 2)	
Compulsory Methods-Workshops (one out of five)			
6314M0225	Thesis Workshop Social Media Research (2 EC)	4	
6314M0228	Thesis Workshop Experiment Design (2 EC)	4, 1	
6314M0226	Thesis Workshop Database Research (2 EC)	4, 1	
6314M0224	Thesis Workshop Qualitative Research / Case Studies (2 EC)	4, 1	
6314M0227	Thesis Workshop Survey Design (2 EC)	4, 1	
Compulsory Analysis-Workshops (one out of two)			
6314M0120	Thesis Workshop Qualitative Data Analysis (1 EC)	5, 2	
6314M0121	Thesis Workshop Quantitative Data Analysis (1 EC)	5, 2	

Compulsory courses for the specialisation Strategy			
6314M0186	Theories of Strategy (6 EC)	1	
6314M0370	Corporate Strategy and Organisation Design (6 EC)	2	
6314M0235	The Adaptive Organisation (6 EC)	2	
6314M0304	Thesis Proposal Strategy (5 EC)	3, 6	
6314M0366	Master's Thesis Strategy (12 EC)	1-3, 4-6	Thesis Proposal Strategy, Theories of Strategy, Corporate Strategy and Organisation Design or The Adaptive Organisation

Compulsory courses for the track International Business			
6314M0500	Theories of International Business (6 EC)	1, 4	
6314M0173	International Strategy (6 EC)	2, 5	
6314M0169	International Business Context (6 EC)	2, 5	
6314M0501	Thesis Proposal International Business (5 EC)	3, 6	
6314M0502	Master's Thesis International Business (12 EC)	1-3, 4-6	Thesis Proposal International Business, Theories of International Business, and International Strategy or International Business Context

Compulsory courses for the track Digital Marketing			
6314M0185	Theories of Marketing (6 EC)	1, 4	
6314M0159	Consumer Behaviour (6 EC)	2, 5	
6314M0311	Digital Marketing and Analytics (6 EC)	2, 5	
6314M0374	Thesis Proposal Digital Marketing (5 EC)	3, 6	
6314M0375	Master's Thesis Digital Marketing (12 EC)	1-3, 4-6	Thesis Proposal Digital Marketing, Theories of Marketing, and Consumer Behaviour or Digital Marketing and Analytics

Compulsory courses for the track Consumer Marketing			
6314M0185	Theories of Marketing (6 EC)	1, 4	
6314M0159	Consumer Behaviour (6 EC)	2, 5	
6314M0373	Consumer Research in Marketing (6 EC)	2, 5	
6314M0376	Thesis Proposal Consumer Marketing (5 EC)	3, 6	
6314M0377	Master's Thesis Consumer Marketing (12 EC)	1-3, 4-6	Thesis Proposal Consumer Marketing, Theories of Marketing, and Consumer Behaviour or Consumer Research in Marketing

Course Code	Course Name	Period	Entry Requirement
Compulsory courses for the track Digital Business			
6314M0310	Theories of Digital Business (6 EC)	1	
6314M0372	Digital Transformation and Strategic Innovation (6 EC)	2	
6314M0371	Data Science for Business (6 EC)	2	
6314M0313	Thesis Proposal Digital Business (5 EC)	3, 6	
6314M0367	Master's Thesis Digital Business (12 EC)	1-3, 4-6	Thesis Proposal Digital Business, Theories of Digital Business, and Digital Transformation and Strategic Innovation or Data Science for Business

Compulsory courses for the track Leadership and Management			
6314M0229	Theories of Leadership and Management (6 EC)	1	
6314M0117	Managing People Strategically (6 EC)	2	
6314M0176	Leadership (6 EC)	2	
6314M0307	Thesis Proposal Leadership and Management (5 EC)	3, 6	
6314M0364	Master's Thesis Leadership and Management (12 EC)	1-3, 4-6	Thesis Proposal Leadership and Management, Theories of Leadership and Management, and Managing People Strategically or Leadership

Compulsory courses for the track Entrepreneurship and Management in the Creative Industries			
6314M0212	Theories of Entrepreneurship and Management in the Creative Industries (6 EC)	1	
6314M0213	Strategic Management and Marketing Theory in the Creative Industries (6 EC)	2	
6314M0162	Cultural Entrepreneurship and Innovation (6 EC)	2	
6314M0308	Thesis Proposal Entrepreneurship and Management in the Creative Industries (5 EC)	3, 6	
6314M0362	Master's Thesis Entrepreneurship and Management in the Creative Industries (12 EC)	1-3, 4-6	Thesis Proposal Entrepreneurship and Management in the Creative Industries, Theories of Entrepreneurship and Management in the Creative Industries, and Strategic Management and Marketing Theory in the Creative Industries or Cultural Entrepreneurship and Innovation
Compulsory courses for the track Entrepreneurship and Innovation			
6314M0183	Theories of Entrepreneurship and Innovation (6 EC)	1	
6314M0171	International Entrepreneurship (6 EC)	2	
6314M0168	Innovation Management (6 EC)	2	
6314M0309	Thesis Proposal Entrepreneurship and Innovation (5 EC)	3, 6	
6314M0361	Master's Thesis Entrepreneurship and Innovation (12 EC)	1-3, 4-6	Thesis Proposal Entrepreneurship and Innovation, Theories of Entrepreneurship and Innovation, and International Entrepreneurship or Innovation Management
Business Lab			
6314M0157	Branding (6 EC)	1, 4	
6314M0344	Branding for Start-ups (6 EC)	4	
6314M0239	Business Cases in New Technology (6 EC)	5	
6314M0341	Business Negotiations (6 EC)	2, 5	
6314M0315	Business Strategy and Sustainability (6 EC)	1, 4	

6314M0317	Cases in Creative Entrepreneurship (6 EC)	1	
6314M0316	Cases in Leadership (6 EC)	4	
6314M0267	Cases in Retail Marketing (6 EC)	5	Retail strategy and marketing (6314M0266)
6314M0214	Change Management (6 EC)	5	
6314M0346	Corporate Venturing (6 EC)	5	
6314M0348	Disruptive Innovation Marketing (6 EC)	2, 5	
6314M0347	Entrepreneurship and Business in China (6 EC)	5	
6314M0161	Entrepreneurial Finance (6 EC)	5	
6314M0236	Executing Strategy (6 EC)	1	
6314M0318	Globalisation and Offshoring (6 EC)	2, 5	
6314M0320	International Business and Sustainable Development (6 EC)	5	
6314M0240	Managing Creativity (6 EC)	5	
6314M0342	Marketing Communications (6 EC)	2	
6314M0343	Marketing Metrics (6 EC)	4	
6314M0268	Online Marketing (6 EC)	5	
6314M0238	Operational Excellence (6 EC)	4	
6314M0322	Organisation Design for the 21st century (6 EC)	4	
6314M0231	Performance Management (6 EC)	4	
6314M0378	People Analytics (6 EC)	5	
6314M0266	Retail Strategy and Marketing (6 EC)	4	
6314M0345	Social Media Marketing (6 EC)	1, 4	
6314M0379	Sustainable and Ethical Marketing (6 EC)	5	
6314M0380	Strategy Analytics (6 EC)	4	
6314M0340	Strategy Consulting (6 EC)	2, 5	
Extra-curricular courses			
6314M0274	Master internship Business Administration (15 EC)		See article 4.6 Practical training

Article 4.4 Electives

1. Only the courses in the Business Lab, as listed in Article 4.3, can be included in the programme as electives.
2. Students are not allowed to register for more than one Business Lab elective per period during the course registration period.

Article 4.5 Exemptions

It is not possible to obtain credits through exemptions.

Article 4.6 Practical training

1. Students who are registered for the MSc Business Administration and who have finished 45 EC of their curriculum may do an internship for 15 EC. It is a student's responsibility to find an internship.
2. The internship must be completed within 6 months after the nominal timeframe for graduation.
3. The procedure and learning objectives of the internship are described in the Course Catalogue, special conditions apply for non-EU students.

Article 4.7 Honours programme

1. The Master's programme in Business Administration offers an Honours programme Sustainability (15 EC) for students who start their programme in September.
2. Students are selected by the coordinators of the Honours programme based on a motivation letter, a letter of recommendation, their GPA, and diversity.
3. The selected student will take this Honours programme (15 EC) consisting of three courses (5 EC each) alongside the regular Master's degree programme (60 EC), and must finish all courses (regular courses and Honours courses) nominally (i.e. within one academic year). Resits are allowed; both for regular courses and the thesis.
4. To continue participating in the Honours programme courses, the student must have secured all EC's from the prior Honours programme courses.
5. A student who has both completed the regular Master of Science in Business Administration degree programme and all the courses of the Honours programme within the nominal duration of study will receive a Master's degree diploma with a transcript indicating that the student has successfully completed the Honours programme Sustainability.

Course Code	Course Name	Period	Entry Requirement
6314M0504	Sustainability, Circularity and Business (5 EC)	2	Accepted in honours programme Sustainability
6314M0505	Partnerships for Sustainable Innovation (5 EC)	4	Accepted in honours programme Sustainability
6314M0506	Honours Capstone: Tackling Challenges in Business Sustainability (5 EC)	5, 6	Accepted in honours programme Sustainability

5. Transitional arrangements

5.1 New course(s)

In 2020-2021 the track name International Management will be replaced by the new track name International Business. Students that started before 1 September 2020 with this track and who have not yet passed the old course, must follow the new / adjusted course:

Old course	New course / adjustment
Theories of International Management (6314M0184, 6 EC)	Theories of International Business (6314M0500, 6 EC)
Thesis Proposal International Management (6314M0305, 5 EC)	Thesis Proposal International Business (6314M0501,5 EC)
Master's Thesis International Management (6314M0363, 12 EC)	Master's Thesis International Business (6314M0502, 12 EC)

6. Effective date

This regulation comes into force as of 1 September 2020

- Advice and consent from the Programme Committee Business Administration (OC-BA) on 10 June 2020
- Advice of the Works Council (OR) on 11 June 2020
- Advice of and approved by the Faculty Student Council (FSR) on 18 September 2020.

Adopted by the Dean of the Faculty of Economics and Business on 18 September 2020.

1. General provisions

Article 1.1 Programme characteristics

1. The MSc Business Economics CROHO number 60901 is offered full-time in English.
2. The programme has a workload of 60 EC.

Article 1.2 Enrolment

The intake date for each of the study programme specialisations is 1 September. Entry on 1 February is not allowed.

2. Programme content

Article 2.1 Aim of the programme

Objective

Business Economics studies the economic forces that shape a business. The programme offers an advanced understanding of what makes a business or organisation successful. The focus is both on the inside of the firm and how it deals with competitors. The contents of the programme is quantitative and it has a strong interdisciplinary focus, integrating recent insights from Behavioral Economics, Psychology, and Law. All tracks cover the state-of-the art scientific knowledge and develop academic skills that have relevant practical value within the chosen specialisation.

Students can choose between different tracks, each with its own focus:

1. Managerial Economics and Strategy focuses on the main strategic choices that firms have to make internally and in regard to their competitors.
2. Competition Law and Economics focuses on the economic and legal aspects of firms operating in markets.
3. Neuroeconomics focuses on the brain and cognitive aspects of decisions related to firms.

Article 2.2 Exit qualifications

After completion of the programme, students have:

Knowledge and Understanding

- thorough knowledge of theories in economics related to managerial economics, neuro-economics, strategy and competition law
- specialised knowledge in one of the fields above.

Applying Knowledge and Understanding

- the ability to apply these economic theories in practical settings
- the ability to conduct research at a high academic level.

Making judgements

- the ability to critically analyse the scope and limits of economic theories in practical settings.

Communication

- the ability both to function independently and to cooperate constructively within a team based on a professional and multidisciplinary attitude
- the ability to effectively interact with an international team in the chosen professional field and to manage challenges from diverse perspectives
- the ability to clearly communicate and professionally present (orally and in writing) information for a (non-) expert audience.

Lifelong learning skills

- acquired academic and professional skills that enables the student to think critically and to analyse situations in their chosen professional field through analytical thinking skills.

3. Admission criteria

1. Applicants to the master programme need to show that they have obtained the following knowledge and skills at the level of an academic bachelor programme:

For the specialisation Managerial Economics and Strategy:

- Microeconomics
- Econometrics
- Mathematics and statistics.

For the specialisation Neuroeconomics: at least one of the following courses: Behavioural Economics, Game Theory, Introductory Psychology, Cognitive Neuroscience, Affective Neuroscience.

All skills mentioned above should at least be at the intermediate level. The courses on Microeconomics should cover enough market structure (Industrial Organisation) and game theory, and should be quantitative. Exemptions can be made for students without a bachelor in Economics if they can show that they have a sufficiently strong quantitative background.

2. Applications are assessed by the Admissions Board. Students holding a Bachelor's degree in Economics and Business specialisation Finance and Organisation or Economics or Economics and Finance of the University of Amsterdam are unconditionally eligible for admission to the programme.
3. In addition to the requirements listed in paragraph 1, the Admissions Board will assess the application on the following criteria:
 - motivation, as evidenced by a motivation letter and overall academic performance
 - being in good standing at previous institutions, as evidenced by a reference letter from an instructor at a previous institution
 - grade point average
 - GMAT / GRE score.
4. The applicant has to meet all requirements before being allowed to enter the programme.

4. Curriculum structure

Article 4.1 Components

The programme consists of:

- a. compulsory courses, including the Master's thesis
- b. track-specific courses
- c. electives

Article 4.2 Curriculum

Master's programme in Business Economics – specialisation Managerial Economics and Strategy

FIRST SEMESTER			SECOND SEMESTER		
Period 1	Period 2	Period 3	Period 4	Period 5	Period 6
Managerial Economics (5 EC)	Markets and Organisations (5 EC)	Experimental Economics (5 EC)	Power and authority (5 EC)	Master's Thesis Managerial Economics and Strategy (15 EC)	
Games and Strategy (5 EC)	Behavioural Economics (5 EC)		Restricted Elective (5 EC)		
Applied Econometrics (5 EC)			Research Seminar Managerial Economics and Strategy (5 EC)		

Master's programme in Business Economics – specialisation Competition Law and Economics

FIRST SEMESTER			SECOND SEMESTER		
Period 1	Period 2	Period 3	Period 4	Period 5	Period 6
Games and Strategy (5 EC)	Restricted Elective	Empirical Market Analysis (5 EC)	Competition Policy (5 EC)	Master's Thesis Competition Law and Economics (15 EC)	
European Competition Law (10 EC)*			Applied Industrial Organisation (5 EC)		
Applied Econometrics (5 EC)			Research Seminar Competition Law and Economics (5 EC)		

- * This course is provided by the Faculty of Law (Faculteit der Rechtsgeleerdheid or FdR). Enrolment for lectures as well as for interim and other examinations for this course is in accordance with FdR regulations.

Master's programme in Business Economics – specialisation Neuroeconomics

FIRST SEMESTER			SECOND SEMESTER		
Period 1	Period 2	Period 3	Period 4	Period 5	Period 6
Brain Organisation and Cognition for Behavioural Scientists (5 EC)	Introduction to Matlab Programming for Behavioural Scientists (5 EC)	Experimental Economics (5 EC)	Neuro-economics (5 EC)	Master's Thesis Neuroeconomics (15 EC)	
Games and Strategy (5 EC)	Behavioural Economics (5 EC)		Neuro-economic Methods for Behavioural Scientists (5 EC)		
Applied Econometrics (5 EC)			Research Seminar Neuroeconomics (5 EC)		

■ Compulsory course ■ Elective course ■ Track course

Article 4.3 Course list

The following course lists are also included in the digital UvA Course Catalogue 2020-2021.

Specialisation Managerial Economics and Strategy

Course Code	Course Name	Period	Entry Requirement
Compulsory courses			
6414M0170	Applied Econometrics (5 EC)	1, 2	
6414M0171	Behavioural Economics (5 EC)	2	
6414M0172	Experimental Economics (5 EC)	3	
6314M0261	Managerial Economics (5 EC)	1	
6314M0153	Markets and Organisations (5 EC)	2	
6314M0310	Games and Strategy (5 EC)	1	
6314M0155	Power and Authority in Organisations (5 EC)	4	
6314M0263	Research Seminar Managerial Economics and Strategy (5 EC)	4, 5	At least 15 EC of the Master's programme completed

6314M0264	Master's Thesis Managerial Economics and Strategy (15 EC)	1, 2 5, 6	At least 20 EC of the master's programme completed + active participation in the Research Seminar
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Restricted electives

6314M0231	Performance Management (6 EC)	4
6414M0151	Competition Policy (5 EC)	4
6314M0288	Behavioural Finance (5 EC)	4
6414M0150	Advanced Industrial Organisation (5 EC)	2
6414M0381	Behavioural Business Ethics (5 EC)	4

Specialisation Competition Law and Economics

Course Code	Course Name	Period	Entry Requirement
Compulsory courses			
6414M0170	Applied Econometrics (5 EC)	1, 2	
6314M0323	Applied Industrial Organisation (5 EC)	4	
6414M0151	Competition Policy (5 EC)	4	
3554COQ0G	European Competition Law (10 EC)*	1	
6414M0153	Empirical Market Analysis (5 EC)	3	
6314M0310	Games and Strategy (5 EC)	1	
6314M0275	Research Seminar Competition Law and Economics (5 EC)	4, 5	At least 15 EC of the Master's programme completed
6314M0276	Master's Thesis Competition Law and Economics (15 EC)	1, 2 5, 6	At least 20 EC of the master's programme completed + active participation in the Research Seminar
Restricted electives			
6314M0153	Markets and Organisations (5 EC)	2	
6414M0150	Advanced Industrial Organisation (5 EC)	2	

* Students have to register for the course European Competition Law with the course code 3554COQ4G (12 EC), the grade will be registered with course code 3554COQ0G (10 EC). The workload of the course for students of MSc Business Economics is adjusted in according with the amount of EC's.

Specialisation Neuroeconomics

Course Code	Course Name	Period	Entry Requirement
Compulsory courses for the specialisation Neuroeconomics			
6414M0170	Applied Econometrics (5 EC)	1, 2	
6414M0171	Behavioural Economics (5 EC)	2	
6414M0311	Brain Organisation and Cognition for Behavioural Scientists (5 EC)	1	
6414M0172	Experimental Economics (5 EC)	3	
6414M0310	Games and Strategy (5 EC)	1	
6414M0382	Introduction to Matlab Programming for Behavioural Scientists (5 EC)	2	
6414M0167	Neuroeconomics (5 EC)	4	
6414M0312	Neuroeconomic Methods for Behavioural Scientists (5 EC)	4	
6414M0313	Research Seminar Neuroeconomics (5 EC)	4, 5	At least 15 EC of the Master's programme completed
6414M0314	Master's Thesis Neuroeconomics (15 EC)	1, 2 5, 6	At least 20 EC of the master's programme completed + active participation in the Research Seminar

Article 4.4 Electives

The restricted electives for each specialisation are mentioned in the course list in Article 4.3 of this B part.

Article 4.5 Exemptions

A maximum of 18 credits in the Master's curriculum may be accumulated through granted exemptions.

5. Transitional arrangements

5.1 New course(s)

Students that started before 1 September 2020 with the Master's programme Business Economics specialisation Neuroeconomics, and who have not yet passed the old course, must follow the new course:

Old course	New course / adjustment
Introduction to Matlab Programming for Neuroscientists (6414M0315) (5 ECTS)	Introduction to Matlab Programming for Behavioural Scientists (6414M0382) (5 EC)

6. Effective date

This regulation comes into force as of 1 September 2020

- Advice and consent from the Programme Committee Economics and Business Economics & Fiscal Economics (OC-EBE&FE) on 11 March 2020
- Advice of the Works Council (OR) on 11 June 2020
- Advice of and approved by the Faculty Student Council (FSR) on 18 September 2020.

Adopted by the Dean of the Faculty of Economics and Business on 18 September 2020.

1. General provisions

Article 1.1 Programme characteristics

1. The MSc Econometrics CROHO number 60177 is offered full-time in English.
2. The programme has a workload of 60 EC.

Article 1.2 Enrolment

The intake date for each of the study programme specialisations is 1 September. Only students who earned a BSc degree in Econometrics (and OR), specialisation Econometrics from the UvA, can enrol on 1 February. In that case the study programme cannot be fully completed within one year and the workload will not be spread evenly throughout the academic year.

2. Programme content

Article 2.1 Aim of the programme

Objective

Students acquire knowledge of the scientific literature in the field of econometrics (including mathematical economics) and data science. They are educated for professions in fields of business, policy or research that require academic levels of econometric or data science knowledge. Further specialisation is developed by building on the broad knowledge of econometrics and mathematical economics acquired in the Bachelor's programme in Econometrics or equivalent previous education. This specialisation relates to general econometrics (focusing on the development and application of estimation and testing methods), financial econometrics (focusing on empirical analyses of financial markets), Data Analytics (focusing on the analysis of business processes often using very large data sets), or Complexity and Economic Behaviour (focusing on mathematical economic models).

Article 2.2 Exit qualifications

After completion of the programme, students have:

Knowledge and Understanding

- thorough knowledge of econometrics and data science.

Applying Knowledge and Understanding

- the ability to apply acquired knowledge about econometrics and data science in an economic setting
- the ability to conduct high level research at an academic level.

Making judgements

- the ability to select optimal statistical methods
- the ability to evaluate statistical method's practical applicability
- the ability to critically interpret the results obtained in research.

Communication

- the ability both to function independently and to cooperate constructively within a team based on a professional and multidisciplinary attitude
- the ability to effectively interact with an international team in the chosen professional field and to manage challenges from diverse perspectives
- the ability to clearly communicate and professionally present (orally and in writing) information for a (non-) expert audience.

Lifelong learning skills

- acquired academic and professional skills that enables the student to think critically and to analyse situations in their chosen professional field through analytical thinking skills.

3. Admission criteria

1. Applicants to the master programme need to show that they have obtained the following knowledge and skills at the level of an academic bachelor programme:
 - Micro economics
 - Macro economics
 - Finance
 - Economic theory (advanced)
 - Game theory (advanced)
 - Econometrics (advanced)
 - Time series analysis (advanced)
 - Probability and mathematical statistics (as in a mathematics degree)
 - Linear algebra (as in a mathematics degree)
 - Calculus and analysis (as in a mathematics degree).

2. Applications are assessed by the Admissions Board. Students holding a Bachelor's degree in Econometrics and Operations Research of the University of Amsterdam, and who have completed all the courses of the Econometrics track, are unconditionally eligible for admission to the programme.
3. In addition to the requirements listed in paragraph 1, the Admissions Board will assess the application on the following criteria:
 - motivation, as evidenced by a motivation letter and overall academic performance
 - being in good standing at previous institutions, as evidenced by a reference letter from an instructor at a previous institution
 - grade point average
 - GMAT / GRE score.
4. The applicant has to meet all requirements before being allowed to enter the programme.

4. Curriculum structure

Article 4.1 Components

The programme consists of:

- a. compulsory courses, including the Master's thesis
- b. track-specific courses

Article 4.2 Curriculum

Structure of the Master's programme in Econometrics

The programme consists of the following four parts:

1. Compulsory courses (20 EC) from the list of Master's courses in Econometrics
2. 2 courses chosen from Financial Mathematics for Insurance (5 EC), Machine Learning for Econometrics (5 EC) and Complex Economic Dynamics (5 EC)
3. 15 EC on track specific courses
4. Master's Thesis Econometrics (15 EC). The Thesis has to be written, and electives have to be chosen, in accordance with the chosen specialisation.

FIRST SEMESTER			SECOND SEMESTER		
Period 1	Period 2	Period 3	Period 4	Period 5	Period 6
Theory of markets (5 EC)	2 out of the courses: - Financial Mathematics for Insurance (5 EC) - Machine Learning for Econometrics (5 EC) - Complex Economic Dynamics (5 EC)	Advanced Econometrics 2 (5 EC)	Track specific course	Master's Thesis Econometrics (15 EC) (track specific)	
Data Science Methods (5 EC)			Track specific course		
Advanced Econometrics 1 (5 EC)	Track specific course				

■ Compulsory course ■ Elective course ■ Track course

Article 4.3 Course list

The following course list is also included in the digital UvA Course Catalogue 2020-2021.

Course Code	Course Name	Period	Entry Requirement
Compulsory courses for all specialisations			
6414M0222	Master's Thesis Econometrics (15 EC)	1, 2 5, 6	At least 20 EC completed from the Master programme
6414M0223	Master's Thesis Financial Econometrics (15 EC)	1, 2 5, 6	At least 20 EC completed from the Master programme
6414M0325	Master's Thesis Complexity and Economic Behaviour (15 EC)	1, 2 5, 6	At least 20 EC completed from the Master programme
6414M0326	Master's Thesis Data Science and Business Analytics (15 EC)	1, 2 5, 6	At least 20 EC completed from the Master programme
6414M0005	Advanced Econometrics 1 (5 EC)	1, 2	
6414M0006	Advanced Econometrics 2 (5 EC)	3	
6414M0320	Data Science Methods (5 EC)	1	
6414M0321	Theory of Markets (5 EC)	1	

Master's courses in Econometrics

6414M0309	Financial Mathematics for Insurance (5 EC)	2
6414M0323	Behavioural Macro and Finance (5 EC)	4, 5
6414M0322	Complex Economic Dynamics (5 EC)	2
6414M0007	Financial Econometrics (5 EC)	4
6414M0010	Microeconometrics (5 EC)	4
6414M0324	Economic and Financial Network Analysis (5 EC)	4
6414M0219	Stochastic Calculus (5 EC)**	4, 5
6414M0219	Machine Learning for Econometrics (5 EC)	2
6414M0360	Quantitative models in Online Marketing (5 EC)	4, 5

** The course Stochastic Integration (5374STIN8), of the Faculty of Science gives exemption for the course Stochastic Calculus (6414M0013).

Specialisation Econometrics

A study programme for the specialisation Econometrics of the Master's programme in Econometrics consists of:

- compulsory Master's courses (20 EC) : Advanced Econometrics 1, Advanced Econometrics 2, Data Science Methods and Theory of Markets
- two courses from Complex Economic Dynamics (5 EC), Financial Mathematics for Insurance (5 EC) and Machine Learning for Econometrics (5 EC)
- the course Financial Econometrics (6414M0007, 5 EC)
- the course Microeconometrics (6414M0010, 5 EC)
- elective from the list of Master's courses in Econometrics or the lists of electives of the other tracks (5 EC)
- Master's Thesis Econometrics (6414M0222, 15 EC).

Specialisation Financial Econometrics

A study programme for the specialisation Financial Econometrics of the Master's programme in Econometrics consists of:

- the compulsory Master's courses (20 EC): Advanced Econometrics 1, Advanced Econometrics 2, Data Science Methods and Theory of Markets
- one course (5 EC) from Complex Economic Dynamics and Machine Learning for Econometrics
- the course Financial Mathematics for Insurance (6414M0309, 5 EC)
- the course Financial Econometrics (6414M0007, 5 EC)

- the course Stochastic Calculus (6414M0013, 5 EC)
- one elective (5 EC) from Behavioural Finance, Behavioural Macro and Finance, Microeconometrics, Economic and Financial Network Analysis, Real Estate Finance and Real Estate Investments
- master's Thesis Econometrics (6414M0223, 15 EC) on Financial Econometrics.

Specialisation Complexity and Economic Behaviour

A study programme for the specialisation Complexity and Economic Behaviour of the Master's programme in Econometrics consists of:

- compulsory Master's courses (20 EC): Advanced Econometrics 1, Advanced Econometrics 2, Data Science Methods and Theory of Markets
- one course from Financial Mathematics for Insurance (5 EC) and Machine Learning for Econometrics (5 EC)
- the course Complex Economic Dynamics (5 EC)
- the course Economic and Financial Network Analysis (5 EC)
- the course Behavioural Macro and Finance (5 EC)
- one elective (5 EC) from Financial Econometrics, Microeconometrics, Stochastic Calculus and Quantitative Marketing
- master's Thesis Econometrics (6414M0224, 15 EC) on Complexity and Economic Behaviour.

Specialisation Data Science and Business Analytics

A study programme for the specialisation Data Science and Business Analytics of the Master's programme in Econometrics consists of:

- compulsory Master's courses (20 EC): Advanced Econometrics 1, Advanced Econometrics 2, Data Science Methods and Theory of Markets
- one courses from Complex Economic Dynamics (5 EC) and Financial Mathematics for Insurance (5 EC)
- the course Machine Learning for Econometrics (6414M0219, 5 EC)
- the course Quantitative Models in Online Marketing (6414M0360, 5 EC)
- the course Micro-econometrics (6414M0010, 5 EC)
- one elective (5 EC) from Information Visualisation (FNWI-course), Economic and Financial Network Analysis (5 EC), Quantitative Finance and Algorithmic Trading (5 EC) and People Analytics (5 EC)
- master's Thesis Econometrics (6414M0233, 15 EC) on Data Science and Business Analytics.

Double degree programmes in Econometrics and Mathematics

In collaboration with the Mathematics Department of the Faculty of Science (the KdV Institute of the FNWI), two double degree programmes have been established for students desiring to earn a degree in both Econometrics and Mathematics:

- a double degree programme in Mathematics and Econometrics
- a double degree programme in Econometrics and Stochastics and Financial Mathematics.

The total scope of each of these programmes is 150 credits, and they both have the following general structure:

- 56 credits for courses in Mathematics
- 45 credits for courses in Econometrics
- 6 credits for Academic Skills (taken at FNWI)
- 7 credits for electives at EB and/or FNWI
- 30 credits for a joint Master's thesis with a supervisor from FNWI and a supervisor from EB, with an additional 6 credits for oral and written presentation at FNWI.

Study programmes must be approved by both the EB Examinations Board and the Mathematics Examinations Board. These programmes must meet the standard requirements of the separate Master's programmes that make up the double degrees: either the MSc in Stochastics and Financial Mathematics; or the MSc in Mathematics; and the MSc in Econometrics. The requirements for the 45 credits from courses in Econometrics are set out in the present chapter. The requirements for the 56 credits in courses in Mathematics for the specialisation Mathematics and Econometrics are set out in the Teaching and Examination Regulations for the Master's programme in Mathematics. The requirements for the 56 credits in courses in Mathematics for the specialisation Econometrics and Stochastics and Financial Mathematics are set out in the Teaching and Examination Regulations for the Master's programme in Stochastics and Financial Mathematics.

Article 4.4 Electives

The restricted electives for each specialisation are mentioned in Article 4.3 of this B part. Only for the specialisation Data Science and Business Analytics approval of the programme director of the chosen elective is needed.

Article 4.5 Exemptions

A maximum of 18 credits in the Master's curriculum may be accumulated through granted exemptions.

5. Transitional arrangements

5.1 New course(s)

Students who started before 1 September 2020 with the Master's programme Econometrics and have not yet passed the old course(s), must follow the new course(s) as mentioned in the table below:

Old course	New course / adjustment
Asset Pricing (6414M0304) (5 ECTS))	Financial Mathematics for Insurance (6414M0309) (5 ECTS)

6. Effective date

This regulation comes into force as of 1 September 2020

- Advice and consent from the Programme Committee Actuarial Science and Econometrics (OC-AE) on 8 June 2020
- Advice of the Works Council (OR) on 11 June 2020
- Advice of and approved by the Faculty Student Council (FSR) on 18 September 2020.

Adopted by the Dean of the Faculty of Economics and Business on: 18 September 2020.

1. General provisions

Article 1.1 Programme characteristics

1. The MSc Economics CROHO number 66401 is offered full-time in English.
2. The programme has a workload of 60 EC.

Article 1.2 Enrolment

The intake date for each of the study programme specialisations is 1 September.

2. Programme content

Article 2.1 Aim of the programme

Objective

Economics is the study of human behaviour and social relationships, institutions, and processes in relation to the use and distribution of scarce, alternatively applicable resources. The programme is aimed at developing an advanced academic level of professional and intellectual ability whereby graduates are taught about the most recent scientific literature in the field of economics and are trained in the methods and skills needed to apply this knowledge to actual problems within their chosen field of specialisation.

Article 2.2 Exit qualifications

After completion of the programme, students have:

Knowledge and Understanding

Thorough knowledge of theories in modern economics related to:

- behavioural economics & game theory; the psychology of economic behaviour and economic interaction
- markets & regulation; industrial organisation and competition policy
- development economics; microeconomics of economic growth
- international economics & globalisation
- monetary policy & banking; economics of monetary policy and financial regulation
- public policy; the economics of public and fiscal policy.

Specialised knowledge in one of the fields above.

Applying Knowledge and Understanding

- the ability to apply modern economic theories in practical settings.

Making judgements

- the ability to understand the scope and limits of economic theories in practical setting.

Communication

- the ability both to function independently and to cooperate constructively within a team based on a professional and multidisciplinary attitude
- the ability to effectively interact with an international team in the chosen professional field and to manage challenges from diverse perspectives
- the ability to clearly communicate and professionally present (orally and in writing) information for a (non-) expert audience.

Lifelong learning skills

- acquired academic and professional skills that enables the student to think critically and to analyse situations in their chosen professional field through analytical thinking skills.

3. Admission criteria

1. Applicants to the master programme need to show that they have obtained the following knowledge and skills at the level of an academic bachelor programme:
 - Microeconomics
 - Macroeconomics
 - Econometrics
 - Mathematics and statistics.Additionally, knowledge of computing programs such as STATA and Eviews will be highly beneficial.
2. Applications are assessed by the Admissions Board. Students holding a Bachelor's degree in Economics and Business specialisation Economics, Economics and Business specialisation Economics and Finance, and Economics and Business Economics major Economics of the University of Amsterdam are unconditionally eligible for admission to the programme.

3. In addition to the requirements listed in paragraph 1, the Admissions Board will assess the application on the following criteria:
 - motivation, as evidenced by a motivation letter and overall academic performance
 - being in good standing at previous institutions, as evidenced by reference letters from instructors at previous institutions
 - grade point average
 - GMAT / GRE score.
4. The applicant has to meet all requirements before being allowed to enter the programme.

4. Curriculum structure

Article 4.1 Components

The programme consists of

- a. compulsory courses
- b. track-specific courses
- c. thesis

Article 4.2 Curriculum

The following curriculum is also included in the digital UvA Course Catalogue 2020-2021.

Within the Master's programme in Economics there are six specialisations:

1. Behavioural Economics & Game Theory
2. Development Economics
3. International Economics & Globalisation
4. Markets & Regulation
5. Monetary Policy & Banking
6. Public Policy.

Structure of the Master's programme in Economics

FIRST SEMESTER			SECOND SEMESTER		
Period 1	Period 2	Period 3	Period 4	Period 5	Period 6
Micro-economics and Game Theory (5 EC)	Compulsory course in the chosen specialisation (5 EC)	Compulsory course in the chosen specialisation (5 EC)	Compulsory course in the chosen specialisation (5 EC)	Master's Thesis on the chosen specialisation	Master's Thesis on the chosen specialisation (15 EC)
Macro-economics (5 EC)	Compulsory course in the chosen specialisation (5 EC)		Compulsory course in the chosen specialisation (5 EC)		
Applied Econometrics (5 EC)			Research Seminar for the specific specialisation (5 EC)		

■ Compulsory course ■ Elective course ■ Track course

Article 4.3 Course list

The following course list is also included in the digital UvA Course Catalogue 2020-2021.

Course Code	Course Name	Period	Entry Requirement
Compulsory courses for all specialisations			
6414M0161	Macroeconomics (5 EC)	1	
6414M0164	Microeconomics and Game Theory (5 EC)	1	
6414M0170	Applied Econometrics (5 EC)	1, 2	
Compulsory courses for the programme Behavioural Economics & Game Theory			
6414M0226	Master's Thesis Behavioural Economics and Game Theory (15 EC)	1, 2 5, 6	At least 20 EC of the master's programme completed + active participation in the Research Seminar
6414M0149	Advanced Game Theory (5 EC)	2	
6414M0171	Behavioural Economics (5 EC)	2	
6414M0172	Experimental Economics (5 EC)	3	
6414M0154	Evolution and Behaviour (5 EC)	4	
6414M0167	Neuroeconomics (5 EC)	4	
6414M0169	Research Seminar Behavioural Economics and Game Theory (5 EC)	4, 5	At least 15 EC of the Master's programme completed

Compulsory courses for the programme Development Economics			
6414M0228	Master's Thesis Development Economics (15 EC)	1, 2 5, 6	At least 20 EC of the master's programme completed + active participation in the Research Seminar
6414M0274	Policy Evaluation: Development and Public Policy (5 EC)	2	
6414M0165	Microeconomics for Development (5 EC)	2	
One of the following two courses:			
6414M0172	Experimental Economics (5 EC), or	3	
6414M0153	Empirical Market Analysis (5 EC)	3	
One of the following two courses:			
6414M0152	Economic Growth (5 EC), or	4	
6414M0157	Globalisation, Growth and Development (5 EC)	4	
6414M0158	Human Development (5 EC)	4	
6414M0281	Research Seminar Development Economics (5 EC)	4, 5	At least 15 EC of the Master's programme completed
Compulsory courses for the programme International Economics & Globalisation			
6414M0229	Master's Thesis International Economics and Globalisation (15 EC)	1, 2 5, 6	At least 20 EC of the master's programme completed + active participation in the Research Seminar
6414M0159	International Economic Cooperation (5 EC)	2	
6414M0160	International Finance (5 EC)	2	
6414M0155	Financial Institutions and Banking (5 EC)	3	
6414M0162	International Trade Theory and Policy (5 EC)	4	
One of the following three courses:			
6414M0152	Economic Growth (5 EC), or	4	
6414M0156	Public Finance and Fiscal Policy (5 EC), or	4	
6414M0158	Human Development (5 EC)	4	
6414M0175	Research Seminar International Economics and Globalisation (5 EC)	4, 5	At least 15 EC of the Master's programme completed

Compulsory courses for the programme Markets & Regulation			
6414M0272	Master's Thesis Markets and Regulation (15 EC)	1, 2 5, 6	At least 20 EC of the master's programme completed + active participation in the Research Seminar
6414M0168	Regulation (5 EC)	2	
6414M0150	Advanced Industrial Organisation (5 EC)	2	
6414M0153	Empirical Market Analysis (5 EC)	3	
6414M0151	Competition Policy (5 EC)	4	
6314M0323	Applied Industrial Organisation (5 EC)	4	
6414M0273	Research Seminar Markets and Regulation (5 EC)	4, 5	At least 15 EC of the Master's programme completed
Compulsory courses for the programme Monetary Policy & Banking			
6414M0230	Master's Thesis Monetary Policy and Banking (15 EC)	1, 2 5, 6	At least 20 EC of the master's programme completed + active participation in the Research Seminar
6414M0166	Monetary Theory (5 EC)	2	
6414M0160	International Finance (5 EC)	2	
6414M0155	Financial Institutions and Banking (5 EC)	3	
One of the following two courses:			
6414M0152	Economic Growth (5 EC), or	4	
6314M0303	Financial Regulation (5 EC)	4	
6414M0156	Public Finance and Fiscal Policy (5 EC)	4	
6414M0275	Research Seminar Monetary Policy and Banking (5 EC)	4, 5	At least 15 EC of the Master's programme completed
Compulsory courses for the programme Public Policy			
6414M0276	Master's Thesis Public Policy (15 EC)	1, 2 5, 6	At least 20 EC of the master's programme completed + active participation in the Research Seminar
6414M0274	Policy Evaluation: Development and Public Policy (5 EC)	2	
6414M0277	Public Economics (5 EC)	2, 5	

One of the following two courses:			
6414M0155	Financial Institutions and Banking (5 EC), or	3	
6414M0153	Empirical Market Analysis (5 EC)	3	
One of the following two courses:			
6414M0152	Economic Growth (5 EC), or	4	
6414M0158	Human Development (5 EC)	4	
6414M0156	Public Finance and Fiscal Policy (5 EC)	4	
6414M0278	Research Seminar Public Policy (5 EC)	4, 5	At least 15 EC of the Master's programme completed
Course Code	Course Name	Period	Entry Requirement
Extra-curricular course for all tracks			
6414M0501	Environmental Economics (5 EC)	4	

Article 4.4 Electives

Electives are no part of this master's programme.

Article 4.5 Exemptions

A maximum of 18 credits in the Master's curriculum may be accumulated through granted exemptions. Internal students who are allowed by the programme director to switch into the MSc Economics from another MSc program of the EB can accumulate a maximum of 30 credits..

Article 4.6 Honours programme

1. The Master's programme in Economics offers an Honours programme (15 EC) for students who start their programme in September.
2. The honours programme is open to all students who are enrolled in the MSc Economics programme.
3. Students will take this Honours programme (15 EC) consisting of three courses (5 EC each) alongside the regular Master's degree programme (60EC), one of these three courses can be chosen freely from the course list in Article 4.3, the two other courses are specific for the chosen specialisation.
Students must finish all courses (regular courses and Honours courses) nominally (i.e. within one academic year). Resits are allowed; both for regular courses and the thesis.

4. A student who has both completed the regular Master of Science in Economics degree programme and all the courses of the Honours programme within the nominal duration of study will receive a Master's degree diploma with a transcript indicating that the student has successfully completed the Honours programme Economics.

The additional courses are in the following table:

Honours programme

Course Code	Course Name	Period	Entry requirement
Additional courses for the honours programme Behavioural Economics & Game Theory			
6414M0150	Advanced Industrial Organisation (5 EC)	2	
6414M0153	Empirical Market Analysis (5 EC) Plus one course from course list in Article 4.3	3	
Additional courses for the honours programme Development Economics			
6414M0277	Public Economics (5 EC)	2	
One of the two following courses:			
6414M0152	Economic Growth (5 EC), or	4	
6414M0157	Globalisation, Growth and Development (5 EC) Plus one course from course list in Article 4.3	4	
Additional courses for the honours programme International Economics & Globalisation			
6414M0274	Policy Evaluation: Development and Public Policy (5 EC)	2	
One of the following three courses:			
6414M0152	Economic Growth (5 EC), or	4	
6414M0156	Public Finance and Fiscal Policy (5 EC), or	4	
6414M0158	Human Development (5 EC) Plus one course from course list in Article 4.3	4	
Additional courses for the honours programme Markets & Regulation			
6414M0149	Advanced Game Theory (5 EC)	2	
6414M0172	Experimental Economics (5 EC) Plus one course from course list in Article 4.3	3	
Additional courses for the honours programme Monetary Policy & Banking			
6414M0159	International Economic Cooperation (5 EC)	2	

One of the two following courses:		
6414M0152	Economic Growth (5 EC), or	4
6314M0303	Financial Regulation (5 EC) Plus one course from course list in Article 4.3	4
Additional courses for the honours programme Public Policy		
6414M0150	Advanced Industrial Organisation (5 EC)	2
One of the following two courses:		
6414M0152	Economic Growth (5 EC), or	4
6414M0158	Human Development (5 EC) Plus one course from course list in Article 4.3	4

5. Transitional arrangements

5.1 New course(s)

For students that started with the Master's programme Economics track Development Economics, before 1 September 2020, the course Human Development will become a compulsory course, unless the student already obtained the course Economic Growth, as well as the course Globalisation, Growth and Development and both courses are still valid. In that case the student does not have to take the course Human Development.

6. Effective date

This regulation comes into force as of 1 September 2020

- Advice and consent from the Programme Committee Economics and Business Economics & Fiscal Economics (OC-EBE&FE) on 11 March 2020
- Advice of the Works Council (OR) on 11 June 2020
- Advice of and approved by the Faculty Student Council (FSR) on 18 September 2020.

Adopted by the Dean of the Faculty of Economics and Business on 18 September 2020.

B7: Master's Programme in Finance

1. General provisions

Article 1.1 Programme characteristics

1. The MSc Finance CROHO number 60046 is offered full-time in English.
2. The programme has a workload of 60 EC.

Article 1.2 Enrolment

The intake date for each of the study programme specialisations is 1 September.

2. Programme content

Article 2.1 Aim of the programme

Objective

The academic discipline Finance studies how firms obtain funding to conduct business activities, and whether the prices of the securities issued correctly reflect each firm's expected future profits. Finance is a subfield of Economics that focuses on creating information about investment opportunities and ensuring proper allocation of scarce capital across the economy. The Master in Finance aims to provide students with knowledge of the academic literature in this field and with the critical thinking and skills to apply this knowledge in an international context. The acquired knowledge is practically relevant as students learn how to evaluate business decisions, model security prices, and distinguish causal relationships from correlations using large datasets. Students are trained for professions that apply this knowledge at an academic level.

In the programme, students gain a deep understanding of core concepts and also develop highly specialised knowledge. All students choose from one of five specialisations:

1. Corporate Finance: Studying how firms obtain financing, make investment decisions, and attempt to resolve conflicts of interest between investors; Estimating firm values using financial statement information.
2. Quantitative Finance: Modelling security prices; Conducting large-scale data analysis to examine whether market prices match theoretical predictions.
3. Asset Management: Forming diversified portfolios that balance investors' financial returns and risk exposure; Studying how corporate decisions affect portfolio returns.

4. Banking and Regulation: Studying how banking practices and financial regulations affect firms' access to capital; Understanding the distribution of risk at a macro level across the economy.
5. Real Estate Finance: Valuing commercial and residential real estate assets; Studying the interaction of real estate markets and the broader economy.

Article 2.2 Exit qualifications

After completion of the programme, students have/can:

Knowledge and Understanding

- describe foundational theories of how corporations make and finance investment decisions, and how agents make investment decisions and interact in financial markets
- the ability to identify and analyse the primary economic issues, theoretical puzzles, and policy debates in the relevant specialisation
- extensive academic knowledge of central concepts, existing academic literature and research methodologies used in finance and highly specialised knowledge in one of the specialisations of choice.

Applying Knowledge and Understanding

- compute the value and risk exposure of firms or investment portfolios in an international context
- the ability to conduct independent original research at an academic level.

Making judgements

- the ability to critically evaluate theoretical assumptions, research methodologies, and interpretations of statistical estimates (in relation to associated theories) in financial research
- the ability to assess the social role and ethical aspects of everyday financial decisions and ability to reflect on these aspects and to apply this in financial decision making
- evaluate the applicability, scope and limitations of financial theories and methods in professional settings in both national and international context.

Communication skills

- the ability both to function independently and to cooperate constructively within a team based on a professional and multidisciplinary attitude
- the ability to effectively interact with an international team in the chosen professional field and to manage challenges from diverse perspectives
- the ability to clearly communicate and professionally present (orally and in writing) information for a (non-) expert audience.

Lifelong learning skills

- acquired academic and professional skills that enables the student to think critically and to analyse situations in their chosen professional field through analytical thinking skills.

3. Admission criteria

1. Applicants to the master programme need to show that they have obtained the following knowledge and skills at the level of an academic bachelor programme:

- Corporate finance
- Investments
- Derivatives
- Econometrics.

Additionally, knowledge of accounting, macroeconomics and microeconomics will be highly beneficial.

2. Applications are assessed by the Admissions Board. Students holding a Bachelor's degree in Economics and Business specialisation Finance and Organisation ór Economics and Business specialisation Economics and Finance ór Economics and Business Economics specialisation Finance ór Business Administration specialisation Finance of the University of Amsterdam are unconditionally eligible for admission to the programme.
3. In addition to the requirements listed in paragraph 1, the Admissions Board will assess the application on the following criteria:
 - motivation, as evidenced by a motivation letter, and overall academic performance
 - being in good standing at previous institutions, as evidenced by a reference letter from an instructor at a previous institution
 - grade point average
 - GMAT / GRE score.
4. The applicant has to meet all requirements before being allowed to enter the programme.

4. Curriculum structure

Article 4.1 Components

The programme consists of:

- compulsory courses
- track-specific specialisation courses
- track-specific electives
- thesis

Article 4.2 Curriculum

Master's programme in Finance – specialisations Asset Management, Banking and Regulation, Quantitative Finance and Corporate Finance

FIRST SEMESTER			SECOND SEMESTER		
Period 1	Period 2	Period 3	Period 4	Period 5	Period 6
Advanced Corporate Finance (5 EC)	Track-specific specialisation course 1 (5 EC)	Empirical Methods in Finance (5 EC)	Track-specific specialisation course 3 or elective (5 EC)	Master's Thesis (15 EC)	
Financial Markets (5 EC)	Track-specific specialisation course 2 (5 EC)		Track-specific elective (5 EC)		
Applied Financial Econometrics (5 EC)			Thesis Seminar Finance (3 EC)		

Master's programme in Finance – specialisation Real Estate Finance

FIRST SEMESTER			SECOND SEMESTER		
Period 1	Period 2	Period 3	Period 4	Period 5	Period 6
Real Estate Valuation (5 EC)	Advanced Real Estate Valuation (5 EC)	Empirical Methods in Finance (5 EC)	Real Estate Finance (5 EC)	Master's Thesis Real Estate Finance (15 EC)	
Real Estate Markets and Analysis 1 (5 EC)	Real Estate Markets and Analysis 2 (5 EC)		Track-specific elective (5 EC)		
Applied Financial Econometrics (5 EC)			Thesis Seminar Finance (3 EC)		

■ Compulsory course ■ Elective course ■ Track course

Article 4.3 Course list

The following course lists are also included in the digital UvA Course Catalogue 2020-2021.*

Course Code	Course Name	Period	Entry Requirement
Compulsory courses - specialisations Asset Management, Banking and Regulation, Quantitative Finance and Corporate Finance			
6314M0279	Applied Financial Econometrics (5 EC)	1, 2	
6314M0278	Financial Markets (5 EC)	1	
6314M0277	Advanced Corporate Finance (5 EC)	1	
6314M0280	Empirical Methods in Finance (5 EC)	3	
6314M0281	Thesis Seminar Finance (3 EC)	4	
6314M0354	Ethics and Professional Skills in Finance (2EC)	5	

Specialisation Asset Management

Course Code	Course Name	Period	Entry Requirement
Compulsory courses			
6314M0283	Master's Thesis Asset Management (15 EC)	2, 3** 5, 6	Enrolment MSc Finance and participation in the Thesis Seminar Finance (6314M0281)
6314M0284	Advanced Investments (5 EC)	2	
6314M0108	Derivatives (5 EC) or	2	
6314M0286	Valuation (5 EC) or	2	
6314M0350	Computational Finance (5 EC)	2	
Restricted electives (must complete two)			
6314M0288	Behavioural Finance (5 EC)	4	Enrolment MSc Finance or MSc Econometrics
6314M0600	Real Estate and Alternative Investments (5 EC)	4	Enrolment MSc Finance or MSc Econometrics
6314M0359	Quantitative Finance and Algorithmic Trading (5 EC)	4	Enrolment MSc Finance or MSc Data Science Business Analytics

Specialisation Banking and Regulation

Course Code	Course Name	Period	Entry Requirement
Compulsory courses			
6314M0324	Master's Thesis Banking and Regulation (15 EC)	2, 3** 5, 6	Enrolment MSc Finance and participation in the Thesis Seminar Finance (6314M0281)
6314M0285	Banking (5 EC)	2	
6314M0108	Derivatives (5 EC), or	2	
6314M0286	Valuation (5 EC)	2	
6314M0303	Financial Regulation (5 EC)	4	Enrolment MSc Finance or MSc Economics
Restricted electives (must complete one)			
6314M0288	Behavioural Finance (5 EC)	4	Enrolment MSc Finance or MSc Econometrics
6134M0291	International Corporate Finance (5 EC)	4	
6314M0327	Corporate Restructuring (5 EC)	4	

Specialisation Corporate Finance

Course Code	Course Name	Period	Entry Requirement
Compulsory courses			
6314M0325	Master's Thesis Corporate Finance (15 EC)	2, 3** 5, 6	Enrolment MSc Finance and participation in the Thesis Seminar Finance (6314M0281)
6314M0287	Corporate Governance (5 EC)	2	
6314M0286	Valuation (5 EC), or	2	
6314M0285	Banking (5 EC)	2	

Restricted electives (must complete one)

6314M0288	Behavioural Finance (5 EC)	4	Enrolment MSc Finance or MSc Econometrics
6134M0291	International Corporate Finance (5 EC)	4	
6314M0327	Corporate Restructuring (5 EC)	4	

Specialisation Quantitative Finance

Course Code	Course Name	Period	Entry Requirement
Compulsory courses			
6314M0352	Master's Thesis Quantitative Finance (15 EC)	2, 3 5, 6	Enrolment MSc Finance and participation in the Thesis Seminar Finance (6314M0281)
6314M0350	Computational Finance (5 EC)	2	
6314M0108	Derivatives (5 EC), or	2	
6314M0284	Advanced Investments (5 EC)	2	
Restricted electives (must complete two)			
6314M0288	Behavioural Finance (5 EC)	4	Enrolment MSc Finance or MSc Econometrics
6314M0359	Quantitative Finance and Algorithmic Trading	4	Enrolment MSc Business Analytics
6314M0351	Advanced Risk Management (5 EC)	4	

Specialisation Real Estate Finance

Course Code	Course Name	Period	Entry Requirement
Compulsory courses			
6314M0299	Master's Thesis Real Estate Finance (15 EC)	2, 3** 5, 6	Enrolment MSc Finance and participation in the Thesis Seminar Finance (6314M0281)
6314M0279	Applied Financial Econometrics (5 EC)	1, 2	
6314M0293	Real Estate Markets and Analysis 1 (5 EC)	1	
6314M0292	Real Estate Valuation (5 EC)	1	
6314M0294	Advanced Real Estate Valuation (5 EC)	2	
6314M0295	Real Estate Markets and Analysis 2 (5 EC)	2	
6314M0280	Empirical Methods in Finance (5 EC)	3	
6314M0281	Thesis Seminar Finance (3 EC)	4, 5	
6314M0354	Ethics and Professional Skills in Finance (2 EC)	5	
6314M0296	Real Estate Finance (5 EC)	4	Enrolment MSc Finance or MSc Econometrics
Restricted electives (must complete one)			
6314M0298	International Housing Markets (5 EC)	4	Enrolment MSc Finance or MSc Econometrics
6314M0600	Real Estate and Alternative Investments (5 EC)	4	Enrolment MSc Finance or MSc Econometrics
Internship			
6314M0300	Master internship Finance (15 EC)		See article 4.6 practical training

* Some courses are also accessible for students of other EB Master's programmes, see the additions in the table above.

** Master thesis courses in period 2+3 are only open to students who started the programme in the previous academic year but did not complete their thesis

Article 4.4 Electives

The restricted electives for each specialisation are mentioned in Article 4.3 of this B part.

Article 4.5 Exemptions

A maximum of 12 credits in the Master's curriculum may be accumulated through granted exemptions.

Article 4.6 Practical training

1. Students who are registered for the MSc Finance and who have finished 45 EC of their curriculum within the nominal timeframe given for the programme may do an internship for 15 EC. It is a student's responsibility to find an internship.
2. The internship must be completed within 6 months after the nominal timeframe for graduation.
3. The procedure and learning objectives of the internship are described in the Course Catalogue. Special conditions apply for non-EU students.

Article 4.7 Dual specialisation

Students can complete a dual specialisation in Real Estate Finance combined with either the Asset Management or Corporate Finance specialisations (the transcript will list this as 'Finance and Real Estate Finance'). This dual specialisation involves 1.5 years of coursework, and must carry a minimum of 80EC. The following study programme must be completed, in the order listed below:

Academic Year 1

- Real Estate Markets and Analysis 1 (5 EC)
- Applied Financial Econometrics (5 EC)
- Real Estate Valuation (5 EC)
- Advanced Real Estate Valuation (5 EC)
- Real Estate Markets and Analysis 2 (5 EC)
- Empirical Methods in Finance (5 EC)
- Real Estate Finance (5 EC)
- Real Estate and Alternative Investments (5 EC) or International Housing Markets (5 EC)
- Thesis Seminar Finance (3 EC)
- Ethics and Professional Skills in Finance (2 EC)
- Master's Thesis Finance and Real Estate Finance (15 EC). The thesis must examine a topic relating to both financial and real estate. It must be approved by the appropriate Track Coordinators.

Academic Year 2

- Financial Markets (5 EC)
- Advanced Corporate Finance (5 EC)
- Specialisation specific courses of either Asset Management or Corporate Finance (10 EC total):
 - Asset Management:
 - Advanced Investments (5 EC)
 - Derivatives (5 EC) or Valuation (5 EC) or Computational Finance (5 EC)
 - Corporate Finance:
 - Corporate Governance (5 EC)
 - Valuation (5 EC) or Banking (5 EC).

Article 4.8 Duisenberg Honours Programme

Students can complete the Duisenberg Honours Programme by combining the track-specific specialisations in Corporate Finance and Banking and Regulation, as well as an internship. Students must complete all coursework in one academic year, for a minimum of 85 EC. They also must enroll in an internship (Article 4.6) before the end of the academic year, which must be completed within 6 months after the nominal timeframe for graduation. The following study programme must be completed, in the order listed below:

Period 1:

- Financial Markets (5 EC)
- Applied Financial Econometrics (5 EC)
- Advanced Corporate Finance (5 EC).

Period 2:

- Banking (5 EC)
- Valuation (5 EC)
- Derivatives (5 EC) or Corporate Governance (5 EC).

Period 3:

- Empirical Methods in Finance (5 EC).

Period 4:

- Thesis Seminar Finance (3 EC)
- Financial Regulation (5 EC)
- Corporate Restructuring (5 EC)
- Behavioral Finance (5 EC) or International Corporate Finance (5 EC).

Periods 5 and 6:

- Ethics and Professional Skills in Finance (2 EC)
- Master's Thesis Corporate Finance or Master's Thesis Banking and Regulation (15 EC).

Within 6 months after the nominal timeframe for graduation:

- Master internship Finance (15 EC).

5. Transitional arrangements

5.1 New course(s) - all specialisations

Students who wish to complete the master's programme take the new course, unless they have previously completed the old course:

Old course	New course / adjustment
Professional Skills (6314M0358 (1 EC)	Ethics and Professional Skills in Finance (6314M0354 (2 EC)

5.2 New course(s) - per specialisation

Students who wish to complete the Corporate Finance specialisation take the new course, unless they have previously completed the old course:

Old course	New course
Banking (Period 2, 6314M0285)	Corporate Governance (Period 2, 6314M0287). If Corporate Governance is already part of the students curriculum, then: Banking (Period 2, 6314M0285) or Valuation (Period 2, 6314M0286)
Valuation (Period 2, 6314M0286)	Corporate Governance (Period 2, 6314M0287). If Corporate Governance is already part of the students curriculum, then: Banking (Period 2, 6314M0285) or Valuation (Period 2, 6314M0286)

Students who wish to complete the Asset Management, Quantitative Finance, or Banking and Regulation specialisation take the new course, unless they have previously completed the old course:

Old course	New course
Fixed Income and Risk Management (Period 4, 6314M0289)	One of the Restricted Electives listed for the specialisation in Article 4.3 above

Students who wish to complete the Asset Management, Real Estate Finance, or Dual specialisations take the new course, unless they have previously completed the old course:

Old course	New course
Real Estate Investments (Period 4, 6314M0353Y)	One of the Restricted Electives listed for the specialisation in Article 4.3 above

6. Effective date

This regulation comes into force as of 1 September 2020

- Advice and consent from the Programme Committee Economics and Business Economics & Fiscal Economics (OC-EBE&FE) on 11 March 2020
- Advice of the Works Council (OR) on 11 June 2020
- Advice of and approved by the Faculty Student Council (FSR) on 18 September 2020.

Adopted by the Dean of the Faculty of Economics and Business on 18 September 2020.

B8: Master's Programme in Fiscal Economics

1. General provisions

Article 1.1 Programme characteristics

1. The MSc Fiscal Economics CROHO number 66402 is offered full-time in Dutch.
2. The programme has a workload of 60 EC.

Article 1.2 Enrolment

The intake date for each of the study programme specialisations is 1 September. Students may also enrol on 1 February, but in that case the study programme cannot be fully completed within one year and the workload will not be spread evenly throughout the Academic year.

2. Programme content

Article 2.1 Aim of the programme

Objective

The course has the objective of educating students so that they possess a high-grade academic level of knowledge of the modern fiscal economics literature, as well as the ability to apply this knowledge adequately. Although orientation towards a career is important, academic education stands foremost. Fiscal Economics is concerned with the study of tax law from an economic perspective.

Article 2.2 Exit qualifications

After completion of the programme, students have:

Knowledge and Understanding

- a thorough knowledge of fiscal economics, including/among others fiscal law and financial statement law.

Applying Knowledge and Understanding

- the ability to conduct research at an academic level.

Making judgements

- the ability to interpret laws with regard to fiscal laws and financial statement law.

Communication

- the ability both to function independently and to cooperate constructively within a team based on a professional and multidisciplinary attitude
- the ability to effectively interact with an (international) team in the chosen professional field and to manage challenges from diverse perspectives
- the ability to clearly communicate and professionally present (orally and in writing) information for a (non-) expert audience.

Lifelong learning skills

- acquired academic and professional skills that enables the student to think critically and to analyse situations in their chosen professional field through analytical thinking skills.

3. Admission criteria

Article 3.1 Admission criteria

1. Applicants to the master programme need to show that they have obtained the following knowledge and skills at the level of an academic bachelor programme:
 - Students holding a Dutch academic Bachelor's degree in Fiscal Economics are unconditionally eligible to the programme
 - Students holding a Dutch academic Bachelor's or Master's degree in Economics or Business Economics are eligible to the programme under the following conditions:
 - the diploma is not older than one year
 - the following courses (or comparable courses) are obtained:
 - > Vennootschapsbelasting
 - > Inleiding Belastingheffing Algemeen
 - > Vermogensrecht
 - > Belasting Toegevoegde Waarde BTW
 - > Inleiding Europees Belastingrecht
 - > Inleiding Internationaal Belastingrecht
 - > Fiscale Winstberekening
 - > Belastingheffing DGA
 - > Inleiding Belastingheffing Ondernemingen.

Any missing courses have to be obtained first in order to meet the admission criteria.

- Students who finished the Pre-Master's programme Fiscal Economics at the University of Amsterdam are conditionally eligible to the programme. See for the conditions Schakelprogramma MSc Fiscale Economie.

2. The applicant has to meet all requirements before being allowed to enter the programme. Applications are assessed by the Admissions Board.

Article 3.2 Dutch language requirement

A student whose previous education was not in a Dutch-speaking country must demonstrate that he or she has sufficient proficiency in Dutch in order to follow academic higher education successfully. This requirement can be met through the successful completion of one of the following examinations:

- the state examination for Dutch as a Second Language, examination II (NT2 II)
- or one of the documents mentioned in the list on the UvA website (www.uva.nl).

4. Curriculum structure

Article 4.1 Components

The programme consists of:

- a. compulsory courses
- b. thesis

Article 4.2 Curriculum

FIRST SEMESTER			SECOND SEMESTER		
Period 1	Period 2	Period 3	Period 4	Period 5	Period 6
Financiële Verslaggeving (6 EC)	Belastingheffing van Concerns (6 EC)		Transfer Pricing (6 EC)	Corporate Tax Compliance (3 EC)	Master's Thesis Fiscale Economie (12 EC)*
Fiscaliteit en Vastgoed (6 EC)	Tax Compliance Formeel (3 EC)		Internationaal Belastingrecht (9 EC)*		
	Tax Accounting (9 EC)		Master's Thesis Fiscale Economie (12 EC)		

* The Master's Thesis Fiscale Economie may be written at either EB or the FdR, subject to the consent of the thesis coordinator.

■ Compulsory course ■ Elective course ■ Track course

Article 4.3 Course list

The following course list is also included in the digital UvA Course Catalogue 2020-2021.

Course Code	Course Name	Period	Entry Requirement
6414M0232	Master Scriptie Fiscale Economie (12 EC)	1-3**, 4-6	
3354BCONV	Belastingheffing van Concerns (6 EC)*	2	
6414M0186	Financiële Verslaggeving (6 EC)	1	
6414M0340	Fiscaliteit en Vastgoed (6 EC)	1	
6414M0208	Tax Accounting (9 EC)	2, 3	Financiële Verslaggeving***
6414M0210	Tax Compliance Formeel (3 EC)	2	
3354DIQ3V	Internationaal belastingrecht en dividendbelasting (9 EC)*	4, 5	
6414M0185	Transfer Pricing (6 EC)	4	
6414M0209	Corporate Tax Compliance (3 EC)	5	

* These courses are provided by the Faculty of Law (Faculteit der Rechtsgeleerdheid or FdR), Enrolment for lectures as well as for interim and other examinations for these courses is in accordance with FdR regulations.

** Students can only start their thesis in the first semester with approval of the thesis coordinator

*** Enrolment for Tax Accounting is possible, participation in the exam is only possible, under the condition that Financiële Verslaggeving has been successfully completed. In exception to article 3.1.4 of part A, the entry requirements check will be done after the first week of period 3

Article 4.4 Electives

Electives are no part of this master's programme.

Article 4.5 Exemptions

A maximum of 18 credits in the Master's curriculum may be accumulated through granted exemptions.

5. Transitional arrangements

5.1 New course(s)

Students who started before 1 September 2020 with the Master's programme Fiscal Economics and have not yet passed the old course(s), must follow the new course(s) as mentioned in the table below:

Old course	New course
Vennootschapsbelasting voor Multinationals (3354VMBUV) (6 EC)	Belastingheffing van Concerns (3354BCONV) (6 EC)

6. Effective date

This regulation comes into force as of 1 September 2020

- Advice and consent from the Programme Committee Economics and Business Economics & Fiscal Economics (OC-EBE&FE) on 11 March 2020
- Advice of the Works Council (OR) on 11 June 2020
- Advice of and approved by the Faculty Student Council (FSR) on 18 September 2020.

Adopted by the Dean of the Faculty of Economics and Business on 18 September 2020.

The evaluation of the education takes place as described in the EB Education Quality Assurance Manual

student.uva.nl/eco/az >

Quality Assurance of Education

Bijlage I

Overzicht artikelen waarvan in de WHW is bepaald dat deze in de OER moeten worden opgenomen (omkaderde artikelen):

Deel A

art. 1.1	7.13 lid 1 WHW
art. 2.1	7.13 lid 2 sub w
art. 3.2	7.13 lid 2 sub e
art. 4.2	7.13 lid 2 sub h, l
art. 4.3	7.13 lid 2 sub n
art. 4.4	7.13 lid 2 sub o
art. 4.5	7.13 lid 2 sub j, h
art. 4.7	7.13 lid 2 sub r
art. 4.8	7.13 lid 2 sub k
art. 4.9	7.13 lid 2 sub p, q
art. 4.10	7.13 lid 2 sub a
art. 5.1	7.13 lid 2 sub u
art. 5.2	7.13 lid 2 sub m

Deel B

art. 1.2	7.13 lid 2 sub i
art. 2.1	7.13 lid 1 sub b, c
art. 2.2	7.13 lid 2 sub c
art. 3.1	7.25 lid 4
art. 4.1	7.13 lid 2 sub a
art. 4.2	7.13 lid 2 sub e, h, j, l
art. 4.3	7.13 lid 2 sub t
art. 4.4	7.13 lid 2 sub e, h, j, l
art. 4.5	7.13 lid 2 sub s
art. 4.6	7.13 lid 2 sub d
art. 4.8	7.13 lid 2 sub k

Bijlage II

Overzicht richtlijnen ex. 9.5 WHW UvA:

De indeling is een **format** dat als richtlijn is vastgesteld: datum besluit: 20 november 2012
inwerking getreden: 1 september 2013

Deel A

art. 4.5 lid 3	laatste uitslag geldt	datum besluit: 14 februari 2008 inwerking getreden: 14 maart 2008
art. 4.6	Cijfers (5,5 als voldoende grens) (5,1 t/m 5,9 worden niet gegeven als eindcijfer)	datum besluit: 14 februari 2008 inwerking getreden: 14 maart 2008
art. 4.12	Fraude en plagiaat	datum besluit: 27 januari 2014 inwerking getreden: 1 september 2014 datum besluit: 25 mei 2010 inwerking getreden: 1 september 2010

Deel B

art. 3.1 lid 6	Ingangseisen masteropleiding	datum besluit: 22 juni 2006 inwerking getreden: 22 juni 2006 ingetrokken per 1 september 2014
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