



University College Groningen Teaching and Examination Regulations (TER)

Bachelor's degree programme in Liberal Arts and Sciences
for the Academic Year 2019-2020

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The Teaching and Examination Regulations set out the specific rights and obligations that apply to each degree programme taught at the University of Groningen, for both the students and the degree programme.

The University-wide section of the Student Charter sets out the rights and obligations that apply to all students.

These Regulations were decreed by the Faculty Board of the University College Groningen of the University of Groningen on April 9th, 2019 and approved by the Faculty Council and the Programme Committee where required on April 29th 2019.

SECTION 1 – GENERAL PROVISIONS

Article 1.1 – Applicability of the Teaching and Examination Regulations

1. These Regulations for the academic year 2019-2020 apply to the teaching, examinations and final assessment of the Bachelor's degree programme in Liberal Arts and Sciences, CROHO degree programme code 50393 hereinafter referred to as the degree programme, and to all students enrolled in this degree programme.
2. The degree programme is provided by University College Groningen of the University of Groningen, hereinafter referred to as the faculty.
3. These Teaching and Examination Regulations also apply to students of other degree programmes, faculties or institutes of higher education, insofar as they follow course units in the degree programme (including Minors) offered by the Faculty to which these Regulations apply.
4. Course units that students of the degree programme as referred to in Article 1.1.1 follow in other degree programmes or at other faculties or institutes of higher education are subject to the Teaching and Examination Regulations of that programme, faculty or institute.

Article 1.2 – Definitions

The following definitions apply to these Regulations:

- a) **The Act:** the Higher Education and Research Act (*WHW: Wet op het Hoger Onderwijs en Wetenschappelijk Onderzoek*)
- b) **Student:** a person registered at the University for the purpose of following course units and/or taking examinations leading to the conferral of a university degree. References in the TER to the student are formulated using gender inclusive pronouns (i.e. singular use of they/ them/ theirs).
- c) **Degree programme:** the Bachelor's degree programme referred to in Article 1.1 of these Regulations, comprising a coherent set of course units
- d) **Course unit:** a syllabus unit or other part of the degree programme within the meaning of Article 7.3 of the Act, included in OCASYS
- e) **OCASYS:** the University of Groningen's online course catalogue
- f) **ECTS credits:** a credit within the meaning of Article 7.4 of the Act. The student workload of each course unit is expressed in ECTS credits, whereby 1 ECTS is equivalent to a student workload of 28 hours
- g) **Propaedeutic phase:** the first 60 ECTS credits of the formal Bachelor's degree programme as defined in Article 7.8 of the Act
- h) **Post-propaedeutic phase:** the part of the Bachelor's degree programme (120 ECTS) following the propaedeutic phase
- i) **Study progress overview:** a written overview of study results and their ECTS credits, which is sent to students by email
- j) **Preliminary study advice:** a written overview of study results accompanied by a preliminary study advice, which is issued to students halfway through the academic year
- k) **Definitive study advice:** a study advice that is issued only once and which may result in rejection of the re-enrolment in the degree programme of the student in question, in accordance with Articles 7.8b.1 and 7.8b.2 of the Act
- l) **Binding (negative) study advice:** a negative study advice that is binding for the student in question and means the student may not continue with the degree programme, in accordance with Article 7.8b.3 of the Act
- m) **Major:** a set of course units of 80 ECTS credits, approved by the Faculty's Board of Examiners, that a student completes in either the scientific domain of the Humanities, the Social Sciences or the Sciences

- n) Major specialization: a coherent set of course units within an identified theme, approved by the Faculty's Board of Examiners, completed within the major
- o) Free Major: a set of course units of 80 ECTS credits that a student completes as a combination of course units from the scientific domains of the Humanities, the Social Sciences and the Sciences
- p) Minor Space: the space available for students to further develop their academic profile within the degree programme
- q) Minor: a coherent set of course units that can be followed within the Minor Space
- r) University Minor: a broadening or deepening Minor that students can follow either at their own or a different Faculty
- s) Personal Minor: a broadening or deepening Minor that students can compile themselves and follow either at their own or a different Faculty
- t) Study Abroad: a set of broadening or deepening course units that students can compile themselves and follow at a host university during a study period abroad
- u) Examination: a test of the knowledge and understanding and skills of students, so as to assess the student's performance in terms of the learning outcomes of the programme as referred to in Article 3.1. An examination may have several assessment moments and different formats.
- v) Compensation: UCG courses have multiple assessments, none of which contribute more than 40% to the final grade. If a student fails one or more assessments within a course, it is possible that the calculated final grade is still a 'pass'. Conditional to the learning outcomes of these different assessment methods and moments having sufficient overlap to ensure that students are assessed on all learning outcomes of the course, this is regarded as compensation. Compensating grades within a course may exclude resit options.
- w) Resit: the option to retake an assessment format at the end of the academic year in which all of the learning outcomes of the course are assessed. The last result of the exam is the final result, but both the initial grade and the re-sat grade are registered in ProgressWWW.
- x) Final assessment: the final assessment for the Bachelor's degree which is considered to be passed once all the requirements of the Bachelor's degree programme have been satisfied
- y) Academic year: the period of time that starts on 1 September and ends on 31 August of the following year
- z) Semester: part of the academic year, either starting on 1 September and ending on a date to be determined by the Board of the University, or starting on a date to be determined by the Board of the University and ending on 31 August
- aa) Practical: a practical exercise, as referred to in Article 7.13 of the Act, in one of the following forms:
- a thesis
 - a written assignment, essay paper or draft
 - a research assignment
 - active participation in a project, fieldwork or an excursion
 - a placement
 - active participation in another educational activity designed to teach certain skills
- bb) Board of Examiners: an independent body with the duties and powers as set out in Articles 7.11, 7.12, 7.12b and 7.12c of the Act, including assessing whether the requirements of the final assessment have been met
- cc) Board of Admission: the board that has decision-making authority in matters concerning admission to the degree programme on behalf of the Faculty Board
- dd) Examiner: a person appointed by the Board of Examiners to set examinations and determine their results
- ee) Programme Committee: the consultative and advisory body that fulfils the duties referred to in Articles 9.18 and 9.38c of the Act
- ff) Class of [year]: the cohort of students ('Class') expected to graduate in the corresponding year. Students still belong to same class, even though they might graduate in a later year than initially expected.
- gg) Regular Student: a student who is not Minor or non-degree exchange student
- hh) Extraordinary circumstances: circumstances as defined in Article 7.51 of the Act, that must be taken into account in the establishment of a decision as defined in Article 5.4, 9.8 and 9.13. Article 7.51 of the Act is further elaborated in the University of Groningen Graduation Fund Regulations.

In these Regulations, extraordinary circumstances include, in any case, a disability or chronic illness, illness, pregnancy and delivery, extraordinary family circumstances, a degree programme which is not feasible, students with an elite sports status (issued by the elite sports coordinator), students with a 'student entrepreneur status' (issued by the UGCE) , membership of a consultative participation body.

All other definitions will have the meaning that the Act ascribes to them.

SECTION 2 – QUALIFICATIONS AND ADMISSION

Article 2.1 – Admission to the programme

1. Students are admissible to the programme if the following diploma requirements are met:

	<i>Qualification</i>	<i>Grade</i>
<i>Netherlands</i>	VWO	Avg Grade 7.0 or higher
<i>United Kingdom</i>	Three A-Levels	Avg Grade C or higher
<i>Germany</i>	Zeugnis der allgemeinen Hochschulreife (Abitur)	Abitur 2.5 or higher
<i>United States</i>	American High School diploma + four Advanced Placement Tests OR SAT Scores	Grade 3.0 or higher/ SAT combined score 1300
<i>International Baccalaureate</i>	International Baccalaureate Diploma	30 or higher

An international diploma that is equivalent to VWO and including Mathematics as graduating course. The international diploma has an average grade of at least 70/100 and/or top 15% of class.

2. In addition to the diploma requirement students need to be proficient in mathematics by having passed mathematics as a graduating course in secondary education. The mathematics proficiency requirement can also be met by passing an examination in mathematics at the level of one of the below:
- Course VWO Mathematics A or Mathematics B offered in Dutch and English at the Boswell-Beta institute in Utrecht (the Netherlands) throughout the year and during the summer months;
 - Dutch VWO Wiskunde A or Wiskunde B certificate (Dutch pre-university Mathematics A or B), obtained at CCVX;
 - AP Calculus AB or BC with a College Board examination;
 - AS-level or A-level certificate in Mathematics (via one of the British A-level examination boards);
 - IB certificate Mathematics Standard Level or Higher Level.

Article 2.2 – Language requirement

1. Students who have been admitted to a degree programme on the basis of a foreign certificate or degree are required by the Board of Admission – before registration – to pass an English language test, to be administered by an agency stipulated by the Board.
2. The English language proficiency requirement can be met by passing an examination in English at the level of one of the below):

<i>Qualification</i>	<i>Score</i>
IELTS (Academic)	6.5 - no less than 6.0 on each section
TOEFL IBT (Internet Based Test)	92 - no less than 21 on each section
TOEFL CBT (Computer Based Test)	237 - no less than 21 on each section
TOEFL PBT (Paper Based Test)	580 - no less than 55 on each section
Cambridge Certificate of Proficiency in English	CAE (certificate of Advanced English)
English Language Test - University of Groningen Language Centre	Section scores C2 or C1 and only one section score B

Exempted from the language requirement are:

- Native English speakers;
- Applicants with an IB/EB diploma *taught and assessed in English*;
- Applicants with a Dutch VWO diploma and a 7 or higher in English;
- Applicants with a German Abitur Diploma and a 10 or higher for the English Kurs;
- Applicants with a secondary school diploma from an English speaking country (United States of America, Canada, Australia, New Zealand, United Kingdom, Ireland).

Article 2.3 – Selection of students

Students are selected on basis of a curriculum vitae, personal statement/video, and the grades/ transcript of the final exam(s) of the prior education. The rules and selection procedure are established in the selection protocol of the Liberal Arts and Sciences programme.

Article 2.4 – Entrance examination (Colloquium Doctum)

1. Students who do not satisfy the admission requirements set out in Articles 2.1 and 2.2 may participate in an entrance examination in accordance with Article 7.29 of the Act.
2. Students who wish to take the entrance examination must be aged 21 or over on the date on which the examination is held. An exception to the age requirement may be made if the student in question has gained a certificate abroad that would grant admission to a university degree programme in their home country, or if the student has refugee status and for this reason is unable to present a degree certificate.
3. The entrance examination will cover the following subjects at the stated level:
 - a. English (VWO 6)
 - b. Mathematics (VWO 6)

And at least one of the following subjects at the stated level:

 - c. Physics (VWO 6)
 - d. Biology (VWO 6)
 - e. Economics (VWO 6)
 - f. History (VWO 6)

4. A successfully completed entrance examination will grant admission to the selection procedure (Article 2.3) of the degree programme for which it was taken for the duration of two academic years after the date on which the examination was taken.

Article 2.5 – Board of Admission

1. The Board of Admission has the power to decide on behalf of the Faculty Board in matters concerning admission to the degree programme.
2. The Board of Admission consists of:
 - a. one member who functions as the chair, selected from the professors who teach on the degree programme
 - b. two members selected from the academic staff who teach on the degree programme.
3. The study advisor for the degree programme (or an equivalent member of Faculty staff) will be an advisory member and also secretary
4. The Faculty Board is responsible for appointing members, and will also set out the admission criteria.

Article 2.6 – Intake date and application dates

1. There is one intake date per academic year, namely 1 September of each year.
2. The provisions of this Article also apply to students who re-register for the same degree programme.
3. In addition to this intake date, there is an additional date on which registration may take place upon the approval of the Board of Admission, namely November 1st.

SECTION 3 – CONTENT AND STRUCTURE OF THE DEGREE PROGRAMME

Article 3.1 – Aims and learning outcomes of the degree programme

1. The degree programme is designed to:
 - a. impart knowledge, skills and understanding in the field of Liberal Arts and Sciences, and to enable the learning outcomes to be attained
 - b. promote academic development. This is defined as the development of competences (knowledge, skills and attitudes) concerning:
 - independent academic thought, action and communication
 - the use of the relevant academic instruments
 - academic communication
 - the use of specific knowledge of a field in a wider academic, philosophical and social/cultural context
 - behavioural norms that apply during the degree programme and in the academic world
 - c. promote personal development and empowerment. This is defined as the development of personal and social responsibility, through active involvement with diverse communities and real-world challenges, including
 - inclination to inquire and lifelong learning
 - local and global civic knowledge and engagement

- intercultural knowledge and competence
 - capacity for ethical reasoning and action, treating others with fairness and compassion leadership
 - personal psychological and physical well-being.
- d. prepare students for a further degree programme, with a realistic perspective of admission to the Master's degree programme(s) of the University of Groningen and other institutions of academic education and research. Students become familiar with the theory and practice of academic research from the very start of their Bachelor's degree programme.

2. A graduate...

<p>1. ... is competent and confident in the role as a Content Expert and has a broad understanding of several academic disciplines. They have more in-depth understanding of one of the majors, Humanities, Social Science or Science.</p>	<p>1.1 - ... has a broad understanding of fundamental paradigms, concepts and models in more than one discipline 1.2 - ... has in- depth understanding of paradigms, concepts and models in at least one of the majors 1.3.- ... has a broad understanding of the contribution of arts to the sciences 1.4 - ... is able to understand the origin and context of complex real-world situations (for instance, Healthy Ageing or Sustainability) 1.5 - ... is able to apply an interdisciplinary academic approach using these paradigms, concepts and models to solving complex real-world problems</p>
<p>2. ... is competent and confident in the role as a Researcher and has broad understanding of academic research design. They have a more in-depth understanding of the research methods and techniques in at least of one of the majors.</p>	<p>2.1 - ... has broad understanding of academic research design 2.2 - ... has a more in-depth understanding of the research methods and techniques used in at least one of the majors. 2.3 - ... is able to select and apply the most appropriate methods and techniques in their research. 2.4 - ... is able to critically evaluate scientific knowledge and limitations of fundamental theories and research methods within the chosen major 2.5.- ... has broad understanding of artistic approaches in searching for creative and innovative solutions to complex societal problems. 2.6.- ... understands the complexities of integrating scientific and artistic approaches.</p>
<p>3. ... is competent and confident in the role as an Innovator, shows the ability to convert innovative and creative ideas into reality and is prepared to assume leadership when solving complex social problems. They demonstrate awareness of personal performance and is capable of independent learning.</p>	<p>3.1 - ... is able to apply existing knowledge with imagination and creativity 3.2 - ... has acquired the foundations and skills for lifelong learning 3.3 - ... reflects on personal performance (strengths and weaknesses) 3.4 - ... demonstrates ability to design their own learning path and learn in an active, deep and self-directed manner</p>
<p>4. ... is competent and confident in the role as a Communicator and communicates ideas and</p>	<p>4.1 - ... is an effective communicator in different media 4.2 - ... is able to translate abstract concepts into meaningful and clear language</p>

research results clearly to a diverse audience.	4.3 - ... is able to report and discuss research outcomes with both a specialized and non-specialized audience 4.4 - ... is able to communicate processes, conclusions and recommendations of a project in a compelling way
5. ... is competent and confident in the role as a Collaborator and constructively collaborates with peers and experts.	5.1 - ... effectively collaborates with peers, teaching staff and experts. 5.2 - ... knows the value of and is able to participate in interdisciplinary teams 5.3 - ... is aware of different collaboration and leadership styles and is able to adapt as needed 5.4 - ... understands the need for and encourages diversity
6. ... is competent and confident in the role as an Academic Integrator and is able to view a topic through multiple lenses and move between disciplines and/or combine disciplines in seeking nuanced understandings and effective solutions.	6.1 - ... is able to apply knowledge, skills, and responsibilities to new settings and complex problems. 6.2 - ... is able to integrate different disciplinary perspectives and knowledge 6.3 - ... understands that complex situations (such as the energy transition, global migration, or the future of capitalism) cannot be addressed by a single discipline 6.4 - ... formulates which information is needed and effectively uses this information to make thoroughly weighted decisions, particularly in light of ethical, legal and social implications

Article 3.2 – Type of degree programme

The degree programme is full time.

Article 3.3 – Language

The degree programme is taught in English.

Article 3.4 – Student workload

1. The degree programme has a student workload of 180 ECTS credits .
2. The propaedeutic phase of the degree programme has a student workload of 60 ECTS credits .
3. The student workload is expressed in whole ECTS credits .

Article 3.5 – Conditions for awarding a University of Groningen degree

Students can only be awarded a Bachelor's degree in the degree programme if at least half of the programme was followed at the University of Groningen during the student's period of registration as a student at the University of Groningen.

Article 3.6 – Contact hours

1. The propaedeutic phase of the degree programme comprises a minimum of 480 contact hours per academic year, of which all hours satisfy the requirement of small scale and intensive teaching.

2. The post-propaedeutic phase of the degree programme comprises a minimum of 480 contact hours per academic year, of which 320 hours satisfy the requirement of small scale and intensive teaching.
3. The structure of the contact hours is set out in appendix 1 of these Teaching and Examination Regulations and is also registered in the Student Handbook and/or OCASYS.

Article 3.7 – Organization and examinations of the degree programme

1. The Bachelor’s degree programme is concluded with a final assessment.
 2. The degree programme is divided into a propaedeutic phase and a post-propaedeutic phase.
 3. The entire programme comprises an Academic Core (70 ECTS), a Major (Specialization) (80 ECTS) and a Minor (30 ECTS).
- 3.a. The Academic Core 70 ECTS comprises the following minimum requirements:

Level requirements	Level	ECTS
Academic Skills	100	5 ECTS
Introduction to Academic Research	100	5 ECTS
Research & Methodology: Elective	100	5 ECTS
Challenges of Modern Society 1 & 2	100	10 ECTS
Two Y1 LAS core-electives	100	10 ECTS
Project year 1	100	5 ECTS
Philosophy of Science	200	5 ECTS
Two Research & Methodology Electives	200	10 ECTS
Project year 2	200	10 ECTS
Project year 3	300	5 ECTS

- 3.b. The Major 80 ECTS comprises the following minimum requirements:

Level requirements	Level	ECTS
Four level 100 courses of which three in the chosen major, i.e. Sciences/Social Sciences/Humanities, to be chosen from the list in appendix 4. In the ‘Free Major’ these restrictions do not apply.	100	20 ECTS
Nine courses at level 200/ 300. At least two 10 ECTS must be at level 300 within the chosen major, i.e. Sciences/Social Sciences/Humanities), to be chosen from the list in appendix 4. Students may choose up to two courses from another discipline as a part of their chosen Major. Restrictions may apply as a result of the	200/300	45 ECTS

chosen specialization (i.e. Smart Technologies and Mind, Machines and Morality).		
In the 'Free Major' the above restrictions do not apply.		
Capstone courses in one of the majors, i.e. Sciences/Social Sciences/Humanities course	300	5 ECTS
Bachelor Thesis	300	10 ECTS

4. The following major programmes are distinguished:

- Major in Sciences
- Major in Social Sciences
- Major in Humanities

Free Major (according to article 1.2.o)

5. Students can follow specialisations, i.e.:

- *Smart Technologies*
- *Mind, Machines and Morality*
- *Health and Life Sciences*
- *Mind and Behaviour*
- *Societies and Cultures in Transition*
- *Politics, Philosophy and Economics*
- *International Relations and International Law*
- *International Business and Entrepreneurship*

These specialisations are (interdisciplinary) programmes that can help students develop a specific scholarly profile. The specialisations are recommended programmes rather than compulsory. The specialisations are outlined in appendix 5.

6. The following Minors are distinguished (see also section 8):

- A University Minor
- A Personal Minor
- A Minor Abroad

Article 3.8 – Participation in course units

1. Students may participate in course units of the degree programme if they register in good time via <https://progresswww.nl/rug>.
2. The maximum number of students for a UCG course unit is 25 unless otherwise stated in the digital University course catalogue OCASYS.
3. If student registration for a course is below 10 students, the course can be postponed or cancelled. This decision will be at the joint discretion of the respective Head of Department and the Academic Director of Education. In case of courses that are compulsory within a specialisation, special care is taken to ensure students are able to pursue their respective programmes, possibly by identifying acceptable alternatives.
4. Admission to course units is arranged according to the order of registration.
5. Students are expected to complete all courses for which they are enrolled.

Article 3.9. Attendance Requirements

1. It is intended that the learning objectives will be achieved by student participation in all of the activities that comprise the course unit. Therefore, class attendance is regarded as an obligation, and all students are expected to attend regularly and punctually all course activities as part of the course units in which they are enrolled. Failure to do so may jeopardize a student's scholastic standing.
2. Notification of absence from a course must always be given prior to class and supported by reasons.
3. In the event of absence, the lecturer may stipulate sanctions and/or replacement assignments.
4. In any case, absence of more than 20%, without extraordinary circumstances, will result in the student jeopardising passing the course.
5. Determination of extraordinary circumstances (see also Art 1.2.ii and Art. 7.4.) is to be made by the study advisor.
6. The exact conditions for successfully passing a course are included in the syllabus for the course unit in question. In some courses, absence from the first two classes is not permitted. This information will be listed in Ocasys as well as the course syllabus.

SECTION 4 – THE PROPAEDEUTIC PHASE OF THE DEGREE PROGRAMME

Article 4.1 – Structure of the propaedeutic phase

1. For students who started the programme before academic year 2019-2020, the structure and content of the propaedeutic phase of the degree programme has been followed according to the programme in previous TERs (overview to be found in appendix #).
2. The propaedeutic phase comprises the following course units with their related student workloads.

<i>Category:</i>	<i>Course unit title</i>	<i>Workload</i>
Academic Core	Challenges of Modern Society 1	5 ECTS
Academic Core	Challenges of Modern Society 2	5 ECTS
Academic Core	LAS Core Elective 1 ¹	5 ECTS
Academic Core	LAS Core Elective 2 ¹	5 ECTS
Academic Core	LAS Year 1 Project	5 ECTS
Academic Core	Research & Methodology: Academic Skills	5 ECTS
Academic Core	Research & Methodology: Introduction to Academic Research	5 ECTS
Academic Core	Research & Methodology: Elective	5 ECTS
(Major) Elective	Elective 1 ²	5 ECTS
(Major) Elective	Elective 2 ²	5 ECTS
(Major) Elective	Elective 3 ²	5 ECTS

(Major) Elective	Elective 4 ²	5 ECTS
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¹ To be chosen from the list of LAS Core Electives in appendix 4.

² To be chosen from the list of level 100 electives in appendix 4, and according to 3.7.3.b.

- All course units and their modes of instruction are listed in the digital University course catalogue OCASYS.

Article 4.2 – Substitutions for courses in the propaedeutic phase

- In accordance with Art 3.6.1, in the propaedeutic phase of the degree programme all contact hours satisfy the requirement of small scale and intensive teaching. As a result, all first year courses must be taken within UCG.

Article 4.3 – Exemptions for courses in the propaedeutic phase

- At a student's request, the Board of Examiners, having discussed the matter with the examiner in question, may grant exemption from an examination on the basis of results earned previously (possibly elsewhere) on condition that the student:
 - has completed part of a university or higher vocational degree in the Netherlands or abroad that is equivalent in content and level
 - can demonstrate by work experience that he/she has sufficient knowledge and skills with respect to the course unit in question.
- The stipulations of Article 3.5 apply to exemptions.
- The validity period of exemptions granted for course units or parts thereof is identical to that of examination results.

SECTION 5 – STUDY ADVICE

Article 5.1 – Preliminary study advice

- Halfway through the first semester of the first year of registration in the propaedeutic phase of the degree programme, students receive a study progress overview specifying the student workload realized thus far. Additional study progress overviews will be sent to students later in the academic year.
- Students will receive a written preliminary study advice as soon as possible after the first semester, and in any case before March 1st.
- The preliminary study advice should be considered as a warning if there is a question of insufficient study progress, giving students the chance to improve their performance.
- If the study progress is such that the student cannot reasonably be expected to satisfy the conditions for receiving a positive study advice within the meaning of Article 5.2.2 a or b, they will be offered extra support by being invited to a meeting with the study advisor. The aim of this meeting is to discuss the student's study habits, to reassess the choice of degree programme and if necessary to refer them to a different degree programme.

Article 5.2 – Definitive study advice (BSA)

1. Students must earn at least 60 ECTS credits in their first year of registration in the propaedeutic phase of the degree programme. This is known as the BSA threshold.
2. A definitive study advice is issued at the end of the first year of study, by 31 July at the latest. This can be either:
 - a. positive, for students who have successfully completed the 60 ECTS as referred to in article 6.1.
 - b. negative, if the student has not met the requirements as specified in article 5.2.2.a. A negative study advice is binding for students. The study advice is binding for students (BSA) in accordance with Article 7.8b.3 of the Act.
3. In the event that the preliminary study results are insufficient to such an extent that the student cannot be reasonably expected to pass the 60 ECTS threshold by the end of their first year of study, a binding (negative) study advice may be issued subsequently to the preliminary study advice in accordance with Article 7.1 before the end of the academic year. This may also be at the request of the student. The procedure set out in Article 5.9. will apply.
4.
 - a. The Faculty Board will take extraordinary personal circumstances as referred to in Article 7.4 into account in its decision on which study advice to issue in the first year of registration.
 - b. Notwithstanding the stipulations in Article 5.2, if no assessment can be made with regard to a student's suitability for the degree programme due to extraordinary circumstances in the first year, the assessment may be postponed until a later date within the propaedeutic phase.

Article 5.3 – Exceptions to the definitive study advice

Multiple degree programmes at the University of Groningen

1. Students who are registered for the propaedeutic phase of 2 or more University of Groningen degree programmes in their first year of registration, and by the end of the year satisfy the BSA threshold as referred to in Article 2.1 for one degree programme, will not have to satisfy the BSA threshold for the other programme(s) in that year. Once a student has successfully completed the propaedeutic phase of one degree programme, they are exempt from the BSA requirements for the other programmes.

Propaedeutic certificate previously gained

2. Students who have already passed the propaedeutic phase of a degree programme at the University of Groningen or another Dutch university, or (for degree programmes that do not issue propaedeutic certificates) in the opinion of the Board of Examiners have earned 60 ECTS credits in the first year, will not fall under the BSA system for the degree programme for which they enrol in the propaedeutic phase.

Deregistration as of 1 March

3. No definitive study advice will be issued to students who submit a request for deregistration as of 1 March of the first year of registration. The procedure set out in Article 5.1. will apply again to students who reregister in a subsequent academic year. The BSA regulations for the academic year in which they reregister will then apply.

If a student wants to reregister in an Academic Year for the bachelor Liberal Arts and Sciences of the UCG, after the situation has occurred as described in Article 5.6.1, they once again have to participate in the selection procedure.

Article 5.4 – Extraordinary circumstances

1. When deciding whether to issue a binding (negative) study advice, the Faculty Board will take a student's extraordinary or personal circumstances into account at that student's request. The Faculty

Board can thereupon decide to adjust the BSA threshold or postpone issuing a study advice. The evaluation of extraordinary circumstances will also take into account the student's study habits, the agreements made and any study plan drawn up in consultation with the study advisor, when the extraordinary circumstances were reported and the study results achieved by the end of the first year of study.

2. Students must report extraordinary circumstances to the study advisor as soon as possible in order to ensure optimum support. The Faculty Board, or the Faculty BSA Committee on its behalf, will make a decision in response to a student's request for a postponement of advice or an adjusted BSA threshold. Students must also report to the study advisor as soon as possible if they are unable to complete the study plan drawn up in consultation with the study advisor and based on the original or adapted BSA threshold.
3. If no assessment can be made at the end of the first year with regard to a student's suitability for the degree programme due to personal circumstances as referred to in Article 5.4.1, the assessment may be postponed until a later date within the propaedeutic phase.
4. Postponed advice will be issued no later than by the end of the second year of registration for the degree programme, and no later than 31 July.
 - a. The advice will be positive if the (possibly adapted) BSA threshold has been passed.
 - b. The advice will be negative (and binding) if the student in question still fails to pass the (possibly adapted) BSA threshold in the propaedeutic phase.
5. All students who have not completed the regular workload (as referred to in Article 5.1.3, whether or not a postponed study advice or an adapted BSA threshold applies) are expected to draw up a study plan as a part of academic probation (as referred to in Article 5.2. in consultation with their study advisor, comprising at least the following:
 - a. the propaedeutic course units that have not yet been passed, with the associated timeline
 - b. the post-propaedeutic course units that may be followed in addition to the course units listed under a.
6. Circumstances as referred to in Article 5.4.1 do not automatically lead to a successful application for a grant from the Graduation Fund.

Article 5.6 – Procedure for issuing a definitive binding (negative) study advice

1. A definitive study advice is issued by the Faculty Board on behalf of the Board of the University. The decision will also state the applicable safeguards of legal rights.
2. Before a binding (negative) study advice is issued, students will receive notice of the intention to issue one, after which they will be given the opportunity to put their case to the Faculty Board.

Article 5.7 – Consequences of a binding (negative) study advice

1. Students who have received a binding (negative) study advice may not register for the degree programme for a period of 2 years from 1 September of the next academic year.
2. Students who have been issued a binding (negative) study advice are not permitted to follow course units in this degree programme via a different degree programme or educational institution in order to avoid the consequences of their binding (negative) study advice. No exemptions will be granted for course units completed in this way, nor will such completed course units be recognized within the framework of the degree programme in any other way.

3. In case of a situation as described in Article 5.7.1, a student has to re-apply to the programme through the selection procedure.

Article 5.8 – Consequences of a positive study advice

1. Holders of a positive study advice for the UG degree programme in question will be admitted to the post-propaedeutic phase of the degree programme.
2. Notwithstanding Article 5.8.1, the requirement that a previous course unit must have been successfully completed may apply to some individual course units. This compulsory order of course units is set out in OCASYS and in Article 10.3. of these Teaching and Examination Regulations.

SECTION 6 - ADMISSION TO THE POST-PROPAEDEUTIC PHASE OF THE DEGREE PROGRAMME

Article 6.1 – Criteria for admission to the post-propaedeutic phase

The following may be admitted to the post-propaedeutic phase, after consideration by the Admissions Board:

1. Holders of a propaedeutic certificate, or students who have earned 60 ECTS credits in the first year of study in a related degree programme.
2. The Admissions Board may grant an exemption for the requirement stipulated in Article 6.1.1 to the holder of a diploma gained in the Netherlands or elsewhere and considered by the Admissions Board to be at least equivalent to the propaedeutic certificate referred to in Article 6.1.1.

Article 6.2 – Admission to the post-propaedeutic phase: hardship clause

The Board of Examiners may deviate from the stipulations of Article 6.1 in situations where changes to the curriculum or educational force majeure would demonstrably lead to a situation of unfairness of an overriding nature. This is only possible in unique personal circumstances that are so unusual that admission cannot reasonably be denied.

SECTION 7 - THE POST-PROPAEDEUTIC PHASE OF THE DEGREE PROGRAMME

Article 7.1 – Structure of the post-propaedeutic phase

1. For students who started the programme before academic year 2019-2020, there are transitional provisions concerning the structure and content of the post-propaedeutic phase of the degree programme (to be found in art. 13.1.)
2. The post-propaedeutic phase comprises the following course units and student workload.

<i>Category</i>	<i>Course unit title</i>	<i>Workload</i>
Academic Core	LAS Year 2 Project	10 ECTS

Academic Core	Research & Methodology: Philosophy of Science	5 ECTS
Academic Core	Research & Methodology - Elective 1 ¹	5 ECTS
Academic Core	Research & Methodology - Elective 2 ¹	5 ECTS
Academic Core	LAS Year 3 Project	5 ECTS
(Major) Elective	Elective 5 ²	5 ECTS
(Major) Elective	Elective 6 ²	5 ECTS
(Major) Elective	Elective 7 ²	5 ECTS
(Major) Elective	Elective 8 ²	5 ECTS
(Major) Elective	Elective 9 ²	5 ECTS
(Major) Elective	Elective 10 ²	5 ECTS
(Major) Elective	Elective 11 ²	5 ECTS
(Major) Elective	Elective 12 ²	5 ECTS
(Major) Elective	Elective 13 ³	5 ECTS
Major	Major-specific Capstone course ⁴	5 ECTS
Major	Bachelor Thesis	10 ECTS
Minor	Minor space	30 ECTS

¹ To be chosen from the list of Research & Methodology (level 200) electives in appendix 4.

² To be chosen from the list of 200 and 300 level electives in appendix 4, and according to 3.7.3.b. A student needs to follow at least 10 ECTS of 300 level electives.

³ To be chosen from any discipline.

⁴ To be chosen from the list of major-specific Capstone courses in appendix 4. In case the student follows a Free Major, the student is allowed to choose one of the options.

3. All course units offered at UCG/ RUG and their modes of instruction are listed in the digital University course catalogue OCASYS.

Article 7.2 – Substitutions for courses in the post-propaedeutic phase

1. A student cannot replace 200 level courses by 100 level courses or 300 level courses by 200 or 100 level courses.
2. Following a substantiated request by a student, the Board of Examiners may grant permission to use one or more course units up to a maximum of 10 ECTS (which are not listed in Appendix 3) as one of their Major electives. These courses may be at the University of Groningen or another university in the Netherlands or abroad.
3. When assessing such a request, the Board of Examiners will always ask for advice from the respective Academic Director so as to evaluate the coherence of the set of course units (or parts

thereof) and the level of the course units followed.

Article 7.3 – Exemptions for courses in the post-propaedeutic phase

1. At a student's request, the Board of Examiners, having discussed the matter with the examiner in question, may grant exemption from an examination on the basis of results earned previously (possibly elsewhere) on condition that the student:
 - a. has completed part of a university or higher vocational degree in the Netherlands or abroad that is equivalent in content and level
 - b. can demonstrate by work experience that they have sufficient knowledge and skills with respect to the course unit in question.
2. The stipulations of Article 3.5 apply to exemptions.
3. The validity period of exemptions granted for course units or parts thereof is identical to that of examination results.

SECTION 8 - OTHER PROGRAMMES

A - Minor

Article 8.1 - Minor space

Students can fill their Minor space with one of the following options:

- a University Minor
- a Personal Minor
- a Minor Abroad

Article 8.2 - University Minor

1. A University Minor is a coherent set of more specialised or broadening course units that students can follow either at their own or a different Faculty.
2. Students who choose to fill their Minor Space with a University Minor do not need explicit permission from the Board of Examiners.

Article 8.3 - Personal Minor

1. Personal Minor is a coherent set of broadening or deepening course units that students can compile themselves and follow either at their own or a different Faculty.
2. Personal Minors must include a minimum of 15 ects amount of course units at post-propaedeutic level
3. Personal Minors must be presented to the Board of Examiners for approval in advance.

Article 8.4. Minor Abroad

1. Study Abroad comprises a coherent set of broadening or deepening course units that students can compile themselves and follow at a university outside the Netherlands.

2. Study Abroad programmes must be presented to the Board of Examiners for approval in advance.
3. UCG students on good academic standing (art 9.1.) have the opportunity to enrol in UCG's exchange programme offered in the 5th semester.
4. In general, student exchange at UCG is subject to the following conditions:
 - a) students must be registered as a full-time student of University College Groningen at the University of Groningen
 - b) students must have successfully completed the propaedeutic phase of their programme before they apply for student exchange.
 - c) students can apply for exchange whilst on probation, but the end of their probation contract must be approved before the 31st of January. Students must continue to be in good academic standing through their departure date, or they will not be permitted to pursue their exchange.
 - d) students must meet the language requirements of the host university in the format the host university requires
 - e) students' stay abroad must fit into the study programme, subject to the approval of the Board of Examiners.
 - f) students must choose the equivalent of 30 ECTS whilst abroad in case of a semester abroad or the equivalent number of credits with a shorter stay.
 - g) students' study period abroad may be no less than 3 and no more than 6 months in duration, during one academic year

Article 8.4 - Authority of the Board of Examiners with regard to Minors

1. Students must present their choice of Minor to the Board of Examiners of their degree programme for approval, except if they choose a University Minor in accordance with Article 8.2.2.
2. Minors followed in other degree programmes or at other faculties or institutes of higher education are subject to the authority of the Board of Examiners of the degree programme that sets the relevant examinations.
3. Minors in the degree programme followed by students of other degree programmes, faculties or institutes of higher education are subject to the authority of the Board of Examiners of the degree programme.
4. A responsible Board of Examiners will be assigned in the event of inter-faculty University Minors.

B- Honours programme

1. The Faculty participates in the Bachelor's Honours Programme organized by the University of Groningen Honours College. The Bachelor's Honours Programme does not form part of the regular Bachelor's curriculum.
2. Students admitted to one of the Bachelor's degree programmes offered by the Faculty can participate in the Bachelor's Honours Programme if they are selected by the Dean of the University of Groningen Honours College. Please consult the Teaching and Examination Regulations of the University of Groningen Honours College for the selection procedure.
3. The Bachelor's Honours programme has a total student workload of 45 ECTS credits, distributed over the three years of the Bachelor's programme.
The Bachelor's Honours Programme, including the deepening Faculty part, is subject to the Teaching and Examination Regulations of the University of Groningen Honours College.

4. a. As the Honours Programme is not part of the regular Bachelor's curriculum, The results and marks do not count towards the awarding of an honours predicate for the Bachelor's programme.
- b. The Diploma Supplement that accompanies the Bachelor's degree certificate will also list the results gained in the Bachelor's Honours programme.

SECTION 9 – ACADEMIC STANDING AND PROBATION

Article 9.1 Good Academic Standing

1. The degree programme requires students to remain in good academic standing. To do so, students need to fulfil the requirements referred to Articles 9.1.3.
2. Students are obliged to uphold the academic standards of the degree programme. The basic premise of Academic Standing is that the learning process is a product of individual effort and commitment.
3. Students start the degree programme in good academic standing. To remain in good academic standing, students must fulfil the following requirements:
 - to earn the expected credits of the regular study load (30 ECTS of programme-related course units per semester that the student has been registered for the degree programme)
4. Students on good academic standing have the opportunity:
 - to work for UCG;
 - to study abroad (see Section 8).

Article 9.2. Academic Probation

1. After each semester, a student is informed about the academic progress. A student who obtains fewer than 30 ECTS of courses that are part of the individual study programme (as referred to in Articles 9.1.3) of the student is offered extra support by being placed on academic probation.
2. If a student does not finish their studies within 3 years, the student automatically enters academic probation and remains on academic probation until they have completed the degree programme.
3. The student will be informed of their probationary status and the probation procedure in writing within six weeks after the end of the second semester.
4. a. If a student is placed on academic probation, they are expected to meet with the study advisor to discuss their academic progress, evaluate if any extraordinary circumstances (as referred to in Article 5.4) are applicable and to discuss possibilities for improvement.
b. The student will make commitments to meeting specific conditions and goals that will support their academic progress, including a study plan, which will be formalized in an academic probation contract. The academic probation contract will be agreed upon and signed by the student, the study advisor and the Dean.
7. For the duration of their academic probation, the student:
 - will have to fulfil all the conditions as agreed in the probation contract;
 - will meet regularly with their study advisor;
 - may not benefit from the additional opportunities offered to students who are on good academic standing (as referred to in Article 9.1.4) except in extraordinary circumstances (as defined in article 1.2hh) with explicit permission of the Dean, and upon the recommendation of the study advisor.

8. At the end of each semester, if a student is on academic probation the study advisor will provide the Dean with a report detailing the extent to which the student adheres to the academic probation contract.
9. Whenever a student is no longer behind the regular study load (as defined in Article 9.1.3), the student can request for their academic probation to be ended by the Dean, according to the probation procedure (referred to in Article 9.2.5). The student should meet with the study advisor to evaluate whether the goals in the academic probation contract were met.
10. After a period of academic probation, a student's status officially returns to Academic Good standing after the form ending academic probation has been approved and signed by the student, the study advisor and the Dean.

SECTION 10 – EXAMINATION

Article 10.1 – General

1. Each UCG course has at least three assessment components which comprise the examination of the course unit. The maximum contribution of an assessment component to the final grade of a course unit is 40 % (Bachelor Thesis, Internship (as elective) and Year-3-Project excluded). The final grade will be calculated as the weighted average of the different assessment components without any grade restrictions on the possibility of compensation between different assessment components.
2. The examination assesses the students' academic development and mastery of the learning outcomes of the course unit.
3. Tests and examinations are marked on a scale of 1.0 to 10.0. The final result of a course unit is expressed in a mark to no more than 1 decimal point. A mark of 5.5 or higher is a pass, any mark lower than 5.5 is a fail. If the final mark is calculated on the basis of several tests, the partial marks used in the calculation must not be rounded off. If the calculation results in a mark to two or more decimal, mathematical rounding rules must be used to round off the mark to one decimal point.
4. In case the final result of a course is a fail, the student earns 0 ECTS for this course.

Article 10.2 – Participation in examinations

1. A student who registers for a course unit in the degree programme in accordance with Article 3.8 of the TER is automatically registered for the examination for that course unit.

Article 10.3 – Compulsory order

The examinations for the course units listed below may not be taken before the examinations for the associated course units have been passed:

Phase	Course unit	After passing course unit
	<i>Calculus 1</i>	<i>Entry test with a minimal score of 7.0 or exemption based on mathematics in final exam year</i>

post-propaedeutic phase	<i>Calculus 2</i>	<i>Calculus 1</i>
	<i>Statistics 2</i>	<i>Statistics 1</i>
	<i>Statistics 3</i>	<i>Statistics 2 (and Statistics 1)</i>
	<i>Public Finance</i>	<i>Microeconomics</i>
	<i>Living Cell 2</i>	<i>Living Cell 1</i>
	<i>Computational Methods</i>	<i>Programming in Python</i>
	<i>Advanced Programming</i>	<i>Programming in Python</i>
	<i>Applied Mechanics</i>	<i>Calculus 1</i>
	<i>Artificial Intelligence</i>	<i>Programming in Python</i>
	<i>Smart Technologies Lab: From Art to Robotics</i>	<i>Programming in Python</i>
	<i>Bachelor Thesis</i>	<ul style="list-style-type: none"> - <i>Research & Methodology: Academic Skills</i> - <i>Research & Methodology: Introduction to Academic Research</i> - <i>Research & Methodology: level 100 Elective</i> - <i>Research & Methodology: Philosophy of Science</i> - <i>Research & Methodology: level 200 Elective 1</i> - <i>Research & Methodology: level 200 Elective 2</i> - obtained at least 60 ECTS credits of the post-propaedeutic phase (Research & Methodology included)

Article 10.4 – Examination frequency and periods

1. There will be an opportunity to sit the examinations for the course units listed in Articles 4.2 and 7.2 at least twice in each academic year, but students are restricted to resit a maximum of 2 courses in each year of study.
2. The periods in which examinations can be sat are listed in the Student Handbook and/or OCASYS. Partial exams can also be taken outside the period indicated.
3. Notwithstanding the provisions of Article 10.4.1, there will be only one opportunity in a certain year to take the examination for a course unit not taught in that year.
4. Resits provided by UCG can be taken at the therefore designated period (beginning of July) . A resit will comprise an assessment of all learning outcomes of the course unit. The last result of the examination is the final result.
5. Students may resit an examination for a course unit that is no longer offered at least twice during the first year after it has been removed from the curriculum.
6. If a student signs up for a resit and does not show up for the resit, the student will get a ‘fail’ for the resit. If the student has already received a passing grade for the course before missing the resit exam for which they registered, the final grade for the course will be changed into a fail.

7. If a student has completed all the compulsory parts of a course unit to the best of their ability but has still not passed, as a result of extraordinary circumstances certified by the study advisor, then the examiner may give them the opportunity to take a supplementary or replacement test.

Article 10.5 – Assessment of placement/internship or research assignment

The assessment of a placement/internship or research assignment will be conducted by one of the examiners of UCG, based on the advice of an on-site supervisor.

Article 10.6 – Thesis

1. A thesis can only be used for one University of Groningen degree programme. Full or partial exemptions for a degree programme's thesis may be granted by the Board of Examiners on the basis of a thesis written for another degree programme.
2. A thesis is independently assessed by at least two examiners.
3. Article 11.1.7 on the storage period for theses applies.
4. Students will be given the opportunity to write a Bachelor thesis once per academic year. Should the student fail, a new thesis needs to be written (and a new topic selected) in the following semester/academic year.
5. The period(s) during which students can write theses will be published in the Student Portal and/or OCASYS.
6. More detailed regulations on the design, content, time frame and assessment of the thesis can be found in the Regulations for Bachelor's theses.
7. The Board of Examiners is the only body that can deviate from the provisions of this Article at the written request of a student.

Article 10.7 – Form of examinations

1. Examinations will be taken in the manner stated in OCASYS. The dates of the assessment moments have to be specified in the course descriptions made available on Nestor at the start of the course.
2. At a student's request, the Board of Examiners may allow an examination to be taken in a form different from and on a different date than stated above.
3. When applicable, mock versions of examinations will be made available on Nestor at the start of a course.

Article 10.8 – Request for additional resit

1. Students may submit a request for an additional resit of an examination to the Board of Examiners.
2. Such a request may be granted if the student in question failed the relevant examination due to extraordinary circumstances and if not granting the request for an additional resit would result in unacceptable study delay.
3. The following criteria apply to granting a request for an additional resit for the last course unit in the degree programme:

- it must be the last examination result needed not granting the request for an additional resit would result in study delay of at least one semester
- the examinee must have participated in the last two regular examination opportunities for the course unit in question, and have gained marks of at least a mark 4 and a mark 5.
- exam opportunities for the course unit in question and have gained marks of at least 4 and 5.

Article 10.9 – Board of Examiners responsible for electives taken at other degree programmes

1. A request to take an elective at another degree programme must be approved by the Board of Examiners of the student's own degree programme.
2. The Board of Examiners of the other degree programme is authorized to set and assess the examinations and decide upon requests for alternative exam regulations.

Article 10.10 – Examinations and functional impairments

1. Students with a functional impairment will be given the opportunity to take examinations in a form that will compensate as far as possible for their individual impairment. If necessary, the Board of Examiners will seek expert advice from a study advisor of UCG before making a decision.
2. With regard to examinations for electives taken at other degree programmes by students with a functional impairment, the Board of Examiners of the degree programme that sets the examination will comply with the facilities permitted by the Board of Examiners of the degree programme for which the student is registered.

Article 10.11– Oral examinations

1. Unless the Board of Examiners decides otherwise, and with the exception of group presentations as a part of the assessment within a course unit, an oral examination can only be taken by one student at a time.
2. Oral examinations are public, unless the Board of Examiners or the relevant examiner stipulates otherwise or the student objects to the public nature of the examination due to extraordinary circumstances. A second examiner may attend the oral examination at the request of the student and/or the examiner

Article 10.12– Marking of examinations and publication of marks

1. After an oral examination, the examiner will assess the examination immediately and provide the student with a statement upon their request.
2. The examiner will mark a written examination within ten working days of the day on which it was taken, and will provide the Faculty's administration department with the necessary details for registration of the result in ProgRESS.
3. If an examination is taken in a form other than oral or written, the Board of Examiners will determine in advance how and when students will receive written confirmation of the result.

3. Students can lodge an appeal against the results of an examination with the Central Portal for the Legal Protection of Student Rights (CLRS) within 6 weeks of the date on which the result was announced.

Article 10.13 – Validity

1. Completed course units remain valid indefinitely.
2.
 - a. Contrary to the provisions of Article 9.13.1, the Board of Examiners may decide to require a student to take a supplementary or substitute examination for a course unit taken more than five years previously before allowing that student to progress to the final assessment if the student's knowledge is demonstrably outdated.
 - b. In the event of extraordinary personal circumstances the validity term will be extended for the period during which the student in question is receiving support from the Graduation Fund.
3. Partial examinations and assignments passed within a course unit that has not been successfully completed will lapse at the end of the academic year in which they were passed.

Article 10.14 – Right of inspection

1. On request, students have the right to inspect their marked work during a period of at least six weeks after the results of a written examination have been made known. If the student makes use of this opportunity, the student may request a copy of the completed written examination at the cost price.
2. Within the time frame stipulated in Article 9.14.1, any participant in the examination may request to be allowed to peruse the examination paper and the assessment criteria.
3. The Board of Examiners can determine that this inspection or perusal will take place at a certain place and at two set times at least. Students who can show that they were prevented by force majeure from attending at the indicated places and times will be offered another opportunity, if possible within the period stated in Article 9.14.

Article 10.15– Board of Examiners and examiners

1. The Board of Examiners is the independent body that determines whether individual students have the knowledge, understanding and skills required to be awarded a degree.
2. The Faculty Board are the members of the Board of Examiners on the basis of their expertise in the field of the degree programme in question.
3. Members of the (Faculty) Board or other people who have financial responsibilities within the institution may not be appointed as members of the Board of Examiners.
4. The Board of Examiners will appoint examiners to set examinations and determine the results.
5. The Board of Examiners will set out in the Rules and Regulations of the Board of Examiners rules for assessing and determining the results of examinations and final assessments.

Article 10.16 – Cheating and plagiarism

1. Cheating is an act or omission by a student designed to partly or wholly hinder the forming of a correct assessment of their own or someone else's knowledge, understanding and skills.

2. Cheating also includes plagiarism, which means copying someone else's work without correct reference to the source. This includes self-plagiarism, which means reusing significant, identical, or nearly identical portions of one's own work without acknowledging that one is doing so or citing the original work.
3. If a student cheats, the Board of Examiners may exclude that student from participation in one or more examinations or final assessments for a maximum of one year.
4. In the event of serious cheating, the Board of Examiners can advise the Board of the University to permanently terminate a student's registration in the degree programme.
5. The Board of Examiners sets out its course of action in the event of cheating in its Rules and Regulations.

Article 10.17– Invalid examination

In the event of irregularities with regard to an examination that are so serious that an accurate assessment of the examinee's knowledge, understanding and skills cannot be made, the Board of Examiners may declare the examination invalid for either an individual examinee or a group of examinees.

Article 10.18 – Termination of registration (Iudicium Abeundi)

1. In extraordinary cases of reprehensible behaviour or statements made by a student, the Board of the University may, on the recommendation of the Board of Examiners or the Faculty Board, terminate that student's registration.
2. The Board of the University will not make a decision as referred to in the first paragraph until after the student in question has been given an opportunity to put their case forward, any interests of the student and of the institution have been carefully assessed and it has been proven reasonable to assume that the student's behaviour and/or statements prove that they are unsuitable for one or more of the professions for which they are being trained in their degree programme, or for the practical preparation for the profession. In such cases, the Faculty Board, the Board of Examiners and the Board of the University will follow the *Protocol Iudicium Abeundi* [protocol for termination of registration] as approved by the *Nederlandse Federatie van Universitaire Medische Centra* [Netherlands Federation of University Medical Centres] on 1 November 2010.
3. The stipulations in the University of Groningen Regulations for Registration and Tuition Fees apply.

SECTION 11 – FINAL ASSESSMENT

Article 11.1 – Final assessment degree programme

1. The degree programme is concluded with a final assessment.
2. On condition that the student's study programme has been approved, the Board of Examiners will determine the result of the final assessment as soon as the student has passed all the required examinations. The Board of Examiners may define terms to this end. The result of the final assessment indicates that the student has acquired the necessary academic training. The Board of Examiners will issue a degree certificate indicating this.
3. If a student fails to meet the relevant deadlines for approval of the study programme referred to under 2, the Board of Examiners may postpone their graduation date. This date may then be in the academic year following the year in which the last examination was passed.

4. Before the result of the final assessment can be determined, the Board of Examiners may decide to test the student's knowledge of one or more course units or components of the degree programme, if and inasmuch as the marks for these course units provide a reason for doing so.
5. By determining the result of the final assessment, the Board of Examiners also commits itself to a speedy processing of the degree certificate ceremony.
6. If a student wishes to postpone the date of graduation due to extra examinations that still need to be taken, they must submit a request to this end to the Board of Examiners in good time.
7. The graduation date is the date on which the final assessment is passed, as determined by the Board of Examiners in accordance with the provisions of Article 11.1.4, and not the date on which the degree certificate is presented to the student.
8. The successfully passed final assessment as referred to in Article 11.1.1, and all assignments submitted within the framework of this assessment, will be kept on file by the Faculty Board for a period of at least 7 years.

Article 11.2 – Degree certificate

1. Students will receive a certificate issued by the Board of Examiners as proof that they have passed the final assessment. Even if a student successfully completes more than one major within a degree programme, they will receive only one degree certificate. Article 3.5 applies.
2. The Board of Examiners will issue an International Diploma Supplement with each degree certificate.
3. If relevant, the results achieved in the Bachelor's Honours Programme will also be listed on the Diploma Supplement that accompanies the Bachelor's degree certificate.
4. Students may indicate which extra-curricular courses (always including the grades of these courses) are presented at the list of results on the Diploma Supplement that accompanies the Bachelor's degree certificate.

Article 11.3 – Degree

1. Students of class 2020 and later, and who pass the final assessment in:
 - a) the major programme in Sciences are awarded the degree 'Bachelor of Science';
 - b) the major programme in Social Sciences are awarded the degree 'Bachelor of Science';
 - c) the major programme in Humanities are awarded the degree 'Bachelor of Arts';
 - d) the free major programme are awarded the degree 'Bachelor of Science' or 'Bachelor of Arts' depending on the number of credits (minimum 50 ECTS credits) collected in either Sciences/Social Sciences or Humanities.
2. The degree awarded shall be registered on the degree certificate.
3. The supplement of the diploma will specify the major and the major specialization if the major specialization requirements are met as referred to in appendix 5.

Article 11.4 – Final Grade Point Average (GPA)

1. The final grade point average upon graduation will be calculated over the courses completed and included in the final assessment of the degree programme.

2. A final grade point average (GPA) is calculated by multiplying, for each course, (final) grade earned by ECTS credits earned. The total number of is divided by total number of credits. This GPA calculation excludes courses for which a withdrawal was granted or for which the grade Pass was recorded.

Article 11.5. - Honours ('Cum Laude'/'Summa Cum Laude')

1. The Board of Examiners will determine whether or not the Bachelor's degree certificate will be awarded an honours predicate.
2. The following conditions apply:
 - a) The mark for the thesis must satisfy the following minimum conditions:
 - i. 'Cum laude': the mark for the thesis must be *at least 8.0*
 - ii. 'Summa cum laude': the mark for the thesis must be *at least 9.0*.
 - b) The weighted average (not rounded off) for all course units, excluding the thesis, within the examination programme approved by the Board of Examiners must be:
 - i. greater than or equal to 8.0 for 'Cum laude'
 - ii. greater than or equal to 9.0 for 'Summa cum laude'
3. No honours are awarded if the student workload of the exemptions in ECTS credits amounts to more than half the total number of ECTS for the degree programme.
4. An honours degree is only awarded when the programme is completed within six semesters, except where there have been extraordinary circumstances. The Board of Examiners, based on recommendation of the Study Advisor will determine an appropriate period for programme completion.
5. Honours may only be awarded if the examinations for the course units were taken only once.
6. Honours may only be awarded if no single course unit was awarded a mark lower than 7.0.
7. No honours will be awarded if a decision by the Board of Examiners has been taken to the effect that a student is no longer eligible for an honours predicate because cheating/plagiarism has been detected.
8. In certain circumstances, the Board of Examiners may depart from the provisions set out in Articles 8.5.2-6.

Article 11.6 – Assessment Plan

An Assessment Plan has been approved by the Faculty Board, comprising the following topics:

1. the learning outcomes of the degree programme;
2. the course units of the degree programme and the learning outcomes of each course unit;
3. the relationship between course units and learning outcomes;
4. the mode of assessment used and the assessment moments for each course unit;
5. the assessment design and assessment procedures and assessment criteria used;
6. who is responsible for the implementation of the various components of the assessment policy;
7. the method of regular evaluation.

SECTION 12 – STUDY PROGRESS SUPERVISION

Article 12.1 – Study progress administration

The Faculty Board registers the individual study results of all students, and provides students with an overview of their study results at least twice a year and on request.

Article 12.2 – Study progress supervision

The Faculty Board will organize the introduction and the study progress supervision for students enrolled in the degree programme, partly to promote their progress and partly with a view to potential study options within and outside the degree programme.

SECTION 13 – TRANSITIONAL AND FINAL PROVISIONS

Article 13.1. – Transitional regulations

1. Structure of the post-propaedeutic phase: For students of class 2020 and 2021 the adjusted programmes are listed in Appendix 2. Transition to each of the programmes as specified in TER 2019-20 is specified in the Appendix, inc Physics of Energy as in TER 2018-19.
2. World Language Programme.
Students from class 2020 and 2021 who attended one of the World Languages in the Academic Year 2018-2019 are allowed to enrol in the second part of the specific language course. Courses will be provided at the Language Centre. Enrolment needs to be requested at the Student Desk of UCG.
3. Minor and Major space
Students from class 2020 and 2021 who opt in the 3rd year of studies for a minor (as described in article 8.2) or a study abroad (as described in Section 8B) are allowed to add an additional 10ECTS in course units from the university minor or study abroad to the major after approval from the Board of Examiners. The condition that at least 15 ECTS (10 ECTS level 100, 5 ECTS level 200 or 300) of the minor courses must be taken outside the chosen major according to article 4.1.b in the Teaching and Exam regulation 2018-19 will not apply.
4. Students from class 2020 and 2021 who opted for a Major in the Sciences are allowed to add up to 10 ECTS in course units outside appendix 4 in order to complete their respective specialisations in good order. Students require approval from the Board of Examiners.
5. Examination, general: For students of class 2019, 2020 and 2021 article 10.1.3. (0-10 grading) is not valid and instead replaced by article 7.1.3. (Letter grading) as specified in the UCG Teaching and Examination Regulations 2018-2019.
6. Examination frequency and periods: For students of class 2020 and 2021 article 10.4. is valid. Note: Students resit max 2 course units per academic year (as per article 10.4.1.). Compensation rules within the R&M courses as specified in the UCG Teaching and Examination Regulations 2018-2019 do not apply.
7. Honours (Cum Laude / Summa Cum Laude): For students of class 2020 and 2021 article 11.5. is not valid and instead replaced by article 8.5. as specified in the UCG Teaching and Examination Regulations 2018-2019
8. Appendix 3 Grading: For students of class 2020 and 2021 article 10.1.3. is not valid and instead replaced by Appendix 5 as specified in the UCG Teaching and Examination Regulations 2018-2019

Article 13.2 – Amendments

1. Any amendments to these Regulations will, following a recommendation by and/or upon the approval of the Programme Committee and in consultation with – and where necessary upon the approval of – the Faculty Council, be confirmed by the Faculty Board in a separate decree.
2. Any amendments to these Regulations will not apply to the current academic year, unless it may reasonably be assumed that the amendment in question will not harm the interests of students.
3. In addition, an amendment may not influence any other decision concerning a student taken by the Board of Examiners under these Regulations to the disadvantage of that student.

Article 13.3 – Publication

1. The Faculty Board will duly publish these Regulations as well as any amendments to them.
2. Copies of these Teaching and Examination Regulations are available from the Faculty Office. These documents can also be found on the Faculty website via *the Student Portal*.

Article 13.3 – Evaluation

1. The Faculty Board will ensure that the Teaching and Examination Regulations are regularly evaluated, assessing at least the amount of time students need to complete their duties as set out therein, for the purpose of monitoring and if necessary adapting the student workload.
2. The Academic Director of Education is responsible for monitoring the quality of the education. Teaching in the LAS degree programme is evaluated at the level of courses as well as the curriculum through student/ cohort evaluations. The programme committee, as part of the established quality control measures, provides advice and suggestions for improvement as well promoting and safeguarding the quality of courses.

Article 13.4 – Date of commencement

These Regulations will take effect on 1 September 2019.

Appendix 1: Contact hours

Bachelor Year 1	
Type	Number of Contact Hours
Lectures	96
Study Group/Tutorial	96
Individual Tutoring	6
Group Work	78
Exams/Assessment	42
Workshops/Practicals/Computer Lab Assignments	148

Bachelor Year 2	
Type	Number of Contact Hours
Lectures	96
Study Group/Tutorial	96
Individual Tutoring	6
Group Work	60
Exams/Assessment	54
Workshops/Practicals/Computer Lab Assignments	148

Bachelor Year 3 (semester 2)	
Type	Number of Contact Hours
Lectures	32
Study Group	32
Individual Tutoring	6
Thesis Supervision	8
Group Work	39
Exams/Assessment	21
Workshops/Practicals/Computer Lab Assignments	70
Writing Seminar	32

Appendix 2: Transitional provisions with regard to the structure and content of the degree programme

PART A: CLASS OF 2020

What happened to the FFA and Philosophy of...

The *Free Form Assignment* was deleted from the programme. Most students will have completed the FFA in 2018-19. For those who have not: The 5 ECTS credits assigned to FFA become a regular Major elective. Students who wish to pursue another small project (as was possible in 2018-29) are still allowed to do so in this elective space.

Philosophy of... has been deleted from the programme as a post-propaedeutic compulsory Major course. Instead, students now take Philosophy of Science in year 2 R&M. The ects space freed in the post-propaedeutic phase is available as Major elective.

For class of 2020 multiple alternatives are accepted in order to fulfil the Philosophy of Science requirement. These are listed in the table below.

Programme– Class 2020			
YEAR 1 (60 ECTS)	Academic Core (30 ECTS)	UCGAC108 <i>Challenges of Modern Society</i>	7,5 ECTS
		UCGAC104 <i>Academic Writing</i>	2,5 ECTS
		UCGAC101 <i>Projects & Workshops Year 1</i>	10 ECTS
		UCGAC102 <i>Research & Methodology Year 1</i> - UCGAC102A <i>R&M: Logic & Argumentation</i> - UCGAC102B <i>R&M: Basic Statistics</i> - elective partial R&M Year 1 course: [course code] [course name]	10 ECTS
	Major (20 ECTS)	Four elective courses within major (level 100) - [course code] [course name] - [course code] [course name] - [course code] [course name] - [course code] [course name]	20 ECTS

	Minor (10 ECT)	Two elective courses within non-major (level 100) - [course code] [course name] - [course code] [course name]	10 ECTS
YEAR 2	Academic Core (25 ECTS)	UCGAC201 <i>Projects & Workshops Year 2</i>	10 ECTS
		UCGAC202 <i>Research & Methodology Year 2:</i> - elective partial R&M Year 2 course: [course code] [course name] - elective partial R&M Year 2 course: [course code] [course name] - elective partial R&M Year 2 course: [course code] [course name]	15 ECTS
YEAR 2 and/o r 3	Major (45ECTS)	One of the following courses: - UCGSC216/ FI153LH <i>Philosophy of Natural Sciences</i> (as followed during academic year 2018-2019) - FI113FK <i>Philosophy of Life Sciences</i> (as followed during academic year 2018-2019) - UCGSS214 <i>Philosophy of Social Sciences</i> (as followed during academic year 2018-2019) - UCGHU212/ FI113EE <i>Philosophy of Humanities</i> (as followed during academic year 2018-2019) - <i>Philosophy of Science</i> (as followed in 2019-2020) - elective major course (if <i>Philosophy of Science</i> is completed within R&M in 2018-2019)	5 ECTS

		<p>Elective courses within major (at least 10 ECTS have to be on level 300, other courses have to be on level 200):</p> <ul style="list-style-type: none"> - [course code] [course name] - [course code] [course name] - [course code] [course name] - [course code] [course name] - [course code] [course name] - [course code] [course name] - [course code] [course name] - [course code] [course name] 	45 ECTS
	Major (5 ECTS)	<p>Elective courses (level 200/300) within any major discipline (Free Form Assignment OR replacement course):</p> <ul style="list-style-type: none"> - [course code] [course name] 	5 ECTS
	Minor (20 ECTS)	<p>Elective courses within any major discipline (at least 15 ECTS should be followed at level 200/300):</p> <ul style="list-style-type: none"> - [course code] [course name] - [course code] [course name] - [course code] [course name] - [course code] [course name] 	20 ECTS
YEAR 3	Major (15 ECTS)	Elective Capstone course: [course code] [course name]	5 ECTS
		UCGAC304 <i>Bachelor Thesis</i>	10 ECTS

	Academic Core (5 ECTS)	UCGAC301 <i>Projects & Workshops Year 3</i>	5 ECTS
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PART B: CLASS OF 2021

What happened to the FFA and Philosophy of...

The *Free Form Assignment* was deleted from the programme. These 5ects become a regular Major elective. Student who wish to pursue another small project (as was possible in 2018-29) are still allowed to do so in this elective space.

Philosophy of... has been deleted from the programme as a post-propaedeutic compulsory Major course. Instead, students take Philosophy of Science in year 2 R&M. The ecfts space freed in the post-propaedeutic phase is now available as Major elective.

The Major now comprises the following course units:

Year	Course name	ECTS
1	First year courses (level 100) in the Major Social Sciences/ Humanities/ Sciences, to be chosen from the list in appendix 4	20 ECTS
2/3	Second/third year courses (level 200 and 300) in the Major Social Sciences/ Humanities/ Sciences, to be chosen from the list in appendix 4: - at least 10 ECTS must be at level 300 - two courses can be in any discipline	55 ECTS
	Capstone course in Social Sciences/ Humanities/ Sciences	5 ECTS
	<i>Bachelor Thesis</i>	10 ECTS

MAJOR SOCIAL SCIENCES

A few courses have changed course titles (and course codes), compared with TER 2018-19, these are:

Old Course Title	New Course Title
Quantitative Methods for Social Sciences (R&M elective)	Statistics 3 (Major elective)
Qualitative Methods	Qualitative Data Collection and Analysis
Critical Thinking and Logic (R&M elective)	Logic (Major elective)
Criminal Law and Criminology	Criminal Law

Human Decision Making	Decision Making
Social Networks and Social Complexity	Complexity and Networks
Capstone BBC: Developmental Psychology	Capstone: Perspectives on Human Development

MAJOR SOCIAL SCIENCES: Philosophy, Politics and Economics (PPE)			
Y E A R 1	Academic Core	<i>Challenges of Modern Society</i>	5 ECTS
		Year 1 UCG Liberal Arts & Sciences Skills and Group Projects	10 ECTS
		Research & Methodology: - <i>Academic Writing</i> - <i>Logic and Argumentation and Basic Statistics</i>	10 ECTS
		Discipline-specific research method: - <i>Methods for Humanities or Mathematics for Social Sciences</i> <i>Or Calculus 1</i>	5 ECTS
	Major	Course: <i>Political Philosophy</i>	5 ECTS
		Course: <i>Microeconomics</i>	5 ECTS
		Course: <i>Macroeconomics</i>	5 ECTS
		Elective course within Social Sciences OR Introduction to Epistemology, Metaphysics and Philosophy of Mind	5 ECTS
	Minor	Elective courses	10 ECTS
	Y E A R 2	Academic Core	Year 2 UCG Liberal Arts & Sciences Skills and Group Projects
<i>Philosophy of Science (NEW- Compulsory)</i>			
Major		Choose two Research & Methodology courses from: <i>Statistics 1</i> <i>Statistics 2</i> Qualitative Data Collection and Analysis	15 ECTS
		Pick two from: Models of democracy International relations theories (and practice) International politics Political Economy Pick two from: Freedom and Responsibility Arts, Technology and Philosophy Logic Pick one from: Public finance Econometrics for Economics* Principles of Entrepreneurship	35ECTS

		Pick either Statistics 3 or one elective from the Social Science courses <i>Choose one more course from any discipline</i>	
Y E A R 3	Academic Core	Year 3 UCG Liberal Arts & Sciences Skills and Group Projects	5 ECTS
	Major	Pick 2 electives from the Social Sciences courses, and/or internship Students from class 2021 who do not opt for a University Minor, may choose two additional electives at either level 200 or level 300. One elective must be within the chosen Major and one elective may be from any chosen discipline (confirm Major requirements TER 2019-20).	20 ECTS
		<i>Capstone Empirical Political Economy OR Capstone Global Justice</i>	5 ECTS
		Bachelor Thesis	10 ECTS
	Minor	Elective courses within Sciences/Social Sciences/Humanities**	20 ECTS
<p>* Courses outside UCG! UCG schedules do not include these courses. Students will need to check up-to-date schedules online in 'Rooster'.</p> <p>** Courses may be replaced by equivalent courses during study abroad</p>			

The Specialisation Philosophy, Politics and International Business (PPIB) has become International Business and Entrepreneurship (IBE). Students will find that the compulsory courses and most electives are the same. The difference is the insertion of Principles of Entrepreneurship. In the current version, students will also find some more choice options compared to before.

MAJOR SOCIAL SCIENCES:

International Business and Entrepreneurship (IBE)

Y E A R 1	Academic Core	<i>Challenges of Modern Society</i>	5 ECTS	
		Year 1 UCG Liberal Arts & Sciences Skills and Group Projects		10 ECTS
		Research & Methodology: - <i>Academic Writing</i> - <i>Logic and Argumentation and Basic Statistics</i>	10 ECTS	
		Discipline-specific research method: - <i>Mathematics for Social Sciences or Calculus 1</i>	5 ECTS	
	Major	Course: <i>International Business</i>		5 ECTS
		Course: <i>Political Philosophy</i>		5 ECTS
		Course: <i>Microeconomics</i>		5 ECTS
		Elective course within Social Sciences		5 ECTS
Minor	Elective courses	10 ECTS		
Y E A R 2	Academic Core	Year 2 UCG Liberal Arts & Sciences Skills and Group Projects	10 ECTS	
		<i>Philosophy of Science (NEW- Compulsory)</i> Choose two from Research & Methodology courses - <i>Statistics 1</i> - <i>Statistics 2</i> - Qualitative Data Collection and Analysis Methods	15 ECTS	
	Major	<i>Compulsory</i> International marketing Global Corporate Strategy Principles of Entrepreneurship <i>Pick two electives from:</i> Cross cultural management * Ethics in international business* Growth, Institutions and Business* Econometrics for Economists* Statistics 3 <i>Pick one more elective from the Social Sciences</i> <i>Choose one more course from any discipline</i>	35 ECTS	

Y E A R 3	Academic Core	Year 3 UCG Liberal Arts & Sciences Skills and Group Projects	5 ECTS
	Major	Pick two electives from Social Sciences And/ or Internship	20 ECTS
		Students from class 2021 who do not opt for a University Minor, may choose two additional electives at either level 200 or level 300. One elective must be within the chosen Major and one elective may be from any chosen discipline (confirm Major requirements TER 2019-20).	
		Capstone Global Justice or Capstone Empirical Political Economy or Capstone The Age of Human Rights	
		Bachelor Thesis	10 ECTS
Minor	Elective courses within Sciences/Social Sciences/Humanities**	20 ECTS	
<p>* Courses outside UCG! UCG schedules do not include these courses. Students will need to check up-to-date schedules online in 'Rooster'.</p> <p>** Courses may be replaced by equivalent courses during study abroad</p>			

Students transition from Philosophy, Politics and International Law to IRIL. Students will find that the compulsory courses and most electives are the same. In the current version, students will also find some more choice options compared to before.

**MAJOR SOCIAL SCIENCES:
International Relations and International Law (IRIL)**

Y E A R 1	Academic Core	<i>Challenges of Modern Society</i>	5 ECTS
		Year 1 UCG Liberal Arts & Sciences Skills and Group Projects	10 ECTS
		Research & Methodology: - <i>Academic Writing</i> - <i>Logic and Argumentation and Basic Statistics</i>	10 ECTS
		Discipline-specific research method: - <i>Methods for Humanities</i> or <i>Mathematics for Social Sciences</i> or <i>Calculus 1</i>	5 ECTS
	Major	Course: <i>Political Philosophy</i>	5 ECTS
		Course: <i>Law as Order</i> or another elective from Social Sciences	5 ECTS
		Course: <i>Law in an Expanding World/ = Fundamentals of Law</i>	5 ECTS
		Course: <i>Policy Making in the EU</i> or another elective from Social Sciences	5 ECTS
Minor	Elective courses	10 ECTS	
Y E A R 2	Academic Core	Year 2 UCG Liberal Arts & Sciences Skills and Group Projects	10 ECTS
		<i>Philosophy of Science (NEW- Compulsory)</i> Choose two from Research & Methodology courses - <i>Qualitative Data Collection and Analysis Methods</i> - <i>Statistics 1</i> - <i>Statistics 2</i> - <i>Methods for Humanities: Interpretive Methods</i>	15 ECTS
	Major	<i>Compulsory</i> Introduction to Legal Theory (some students may have done this in yr 1! In that case, students will take another elective from Social Sciences) International Relations Theories (and Practice) International and European Law International politics <i>Electives (2 in total)</i> Statistics 3 Models of democracy Political Economy Policy and principles of private law The force of Myth in Culture and Politics <i>Choose one more course from any discipline</i>	35 ECTS

Y E A R 3	Academic Core	Year 3 UCG Liberal Arts & Sciences Skills and Group Projects	5 ECTS
	Major	Criminal Law Choose another from the list of courses in the Social Sciences And/ or Internship	20 ECTS
		Students from class 2021 who do not opt for a University Minor, may choose two additional electives at either level 200 or level 300. One elective must be within the chosen Major and one elective may be from any chosen discipline (confirm Major requirements TER 2019-20).	
		<i>Capstone: The Age of Human Rights OR Capstone Global Justice</i>	
		Bachelor Thesis	10 ECTS
Minor	Elective courses within Sciences/Social Sciences/Humanities**	20 ECTS	
<p>* Courses outside UCG! UCG schedules do not include these courses. Students will need to check up-to-date schedules online in 'Rooster'.</p> <p>** Courses may be replaced by equivalent courses during study abroad</p>			

Class of 2021 who followed electives as specified in the BBC programme can switch to Mind and Behaviour. Some courses in yr 1 are accepted as replacement.

MAJOR SOCIAL SCIENCES: Mind and Behaviour
Class of 2021

Y E A R 1	Academic Core	<i>Challenges of Modern Society</i>	5 ECTS
		Year 1 UCG Liberal Arts & Sciences Skills and Group Projects	10 ECTS
		Research & Methodology: - <i>Academic Writing</i> - <i>Logic and Argumentation and Basic Statistics</i>	10 ECTS
		Discipline-specific research method: - <i>Mathematics for Social Sciences</i>	5 ECTS
	Major	Course: <i>Biopsychology</i>	5 ECTS
		Course: <i>Social and Cultural Psychology</i>	5 ECTS
		Course: <i>Culture: The Building Blocks</i> [replaces Philosophy of Mind Understanding Bias: Gender, Ethnicity and Age as listed in TER 2019-20]	5 ECTS
		Systems View of Life Programming Python OR Elective course within Social Sciences	5 ECTS
	Minor	Elective courses within Sciences/Humanities	10 ECTS
Y E A R 2	Academic Core	Year 2 UCG Liberal Arts & Sciences Skills and Group Projects	10 ECTS
		<i>Philosophy of Science</i> <i>Discipline specific Research & Methodology</i> - <i>Statistics 1</i> - <i>Statistics 2</i>	15 ECTS
	Major	<i>Compulsory Courses:</i> Cognitive Psychology Clinical Psychology <i>Three out of the following courses</i> Decision Making Personality and Individual Differences * Test Theory * Organisation and Society Statistics 3 <i>Choose one more course from the Social Sciences</i> <i>Choose one more course from any discipline</i>	35 ECTS

Y E A R 3	Academic Core	Year 3 UCG Liberal Arts & Sciences Skills and Group Projects	5 ECTS
	Major	<i>Two electives (level 300) from:</i> Social Sciences course list Capstone Mind and Society Extended Thesis Internship Students from class 2021 who do not opt for a University Minor, may choose two additional electives at either level 200 or level 300. One elective must be within the chosen Major and one elective may be from any chosen discipline (confirm Major requirements TER 2019-20). We recommend Statistics 3 as additional course	20 ECTS
		<i>Capstone Perspectives in Human Development</i>	5 ECTS
		Bachelor Thesis	10 ECTS
	Minor	Elective courses within Sciences/Social Sciences/Humanities**	20 ECTS
<p>* Courses outside UCG! UCG schedules do not include these courses. Students will need to check up-to-date schedules online in 'Rooster'.</p> <p>** Courses may be replaced by equivalent courses during study abroad</p>			

Class of 2021 who followed electives as specified in the BBC programme can switch to Societies and Cultures in Transition. The courses Biopsychology and Understanding Culture can be used but students would need to have Introduction to Sociology in their electives.

MAJOR SOCIAL SCIENCES: Societies and Cultures in Transition

Class of 2021

Y E A R 1	Academic Core	<i>Challenges of Modern Society</i>	5 ECTS
		Year 1 UCG Liberal Arts & Sciences Skills and Group Projects	10 ECTS
		Research & Methodology: - <i>Academic Writing</i> - <i>Logic and Argumentation and Basic Statistics</i>	10 ECTS
		Discipline-specific research method: - <i>Mathematics for Social Sciences</i>	5 ECTS
	Major	Course: <i>Biopsychology (replaces elective in Social Science)</i>	5 ECTS
		Course: <i>Social and Cultural Psychology</i>	5 ECTS
		Course: <i>Culture: The Building Blocks</i> [replaces Music in Culture Understanding Bias: Gender, Ethnicity and Age as listed in TER 2019-20]	5 ECTS
		Introduction to Sociology	5 ECTS
Minor	Elective courses	10 ECTS	
Y E A R 2	Academic Core	Year 2 UCG Liberal Arts & Sciences Skills and Group Projects	10 ECTS
		<i>Philosophy of Science</i>	
	Major	Choose two out of Research & Methodology courses - <i>Statistics 1</i> - <i>Statistics 2</i> - <i>Qualitative Data Collection and Analysis</i>	15 ECTS
		Compulsory Course Social Networks and Complexity Three out of the following courses Decision Making Access to Medicine in a Globalized World Tolerating Diversity in Europe Statistics 3 Organisation and Society * Social and Institutional Change* Two electives to choose from Social Sciences One elective to choose from any discipline	35 ECTS

Y E A R 3	Academic Core	Year 3 UCG Liberal Arts & Sciences Skills and Group Projects	5 ECTS
	Major	<i>Two electives (level 300) from:</i> Globalization- the great unbundling * Evidence-based policy Extended Thesis Internship Students from class 2021 who do not opt for a University Minor, may choose two additional electives at either level 200 or level 300. One elective must be within the chosen Major and one elective may be from any chosen discipline (confirm Major requirements TER 2019-20). We recommend Statistics 3 as additional course	20 ECTS
		<i>Capstone Mind and Society</i>	5 ECTS
		Bachelor Thesis	10 ECTS
	Minor	Elective courses within Sciences/Social Sciences/Humanities**	20 ECTS
<p>* Courses outside UCG! UCG schedules do not include these courses. Students will need to check up-to-date schedules online in 'Rooster'.</p> <p>** Courses may be replaced by equivalent courses during study abroad</p>			

MAJOR: SCIENCES

A few courses have changed course titles (and course codes), compared with TER 2018-19, these are:

Old Course Title	New Course Title
Mechanics	Applied Mechanics
Electricity and Magnetism 1 (Statics)	Waves and Signals
Physics Lab	Smart Technology Lab: Physical Principles
Biochemistry and Cell Biology practical	Practical Life Sciences
Integrative Physiology I	Human Physiology

MAJOR SCIENCES: Physics of Energy (PoE)			
Class 2021			
Y E A R 1	Academic Core	<i>Challenges of Modern Society</i>	5 ECTS
		Year 1 UCG Liberal Arts & Sciences Skills and Group Projects	10 ECTS
		Research & Methodology: - <i>Academic Writing</i> - <i>Logic and Argumentation and Basic Statistics</i>	10 ECTS
		Discipline-specific research method: - <i>Calculus 1</i>	5 ECTS
	Major	Course: <i>Linear Algebra</i>	5 ECTS
		Course: <i>Modern Physics</i>	5 ECTS
		Elective course within Sciences	5 ECTS
		Elective course within Sciences	5 ECTS
	Minor	Elective courses	10 ECTS
	Y E A R 2	Academic Core	Year 2 UCG Liberal Arts & Sciences Skills and Group Projects
<i>Philosophy of Science (NEW Compulsory)</i>			
<i>Discipline specific Research & Methodology</i> - <i>Calculus 2</i> - <i>Computational Methods for Science</i>			15 ECTS
Major		Calculus 3	5 ECTS
		Course: <i>Mechanics</i>	5 ECTS
		Course: <i>Classical Mechanics and Relativity [to be taken at FSE, contact AD]</i>	5 ECTS
		Course: <i>Electricity and Magnetism 1 (Statics)</i>	5 ECTS
		Course: <i>Electricity and Magnetism 2 (Dynamics) [to be taken at FSE, contact AD]</i>	5 ECTS
Course: <i>Physics Laboratory</i>	5 ECTS		

		Waves and Optics [course is currently 300 Capstone but will be deleted. Students are to elect this course in yr 2. Contact AD]	5 ECTS
Y E A R 3	Academic Core	Year 3 UCG Liberal Arts & Sciences Skills and Group Projects	5 ECTS
	Major	Three out of the following elective courses (level 300): - <i>Statistical Physics</i> [to be taken at FSE, contact AD] - <i>Thermodynamics</i> [to be taken at FSE, contact AD] - <i>Structure of Matter 1</i> [to be taken at FSE, contact AD] - <i>Quantum Physics 1</i> [to be taken at FSE, contact AD] - <i>Quantum Physics 2</i> [to be taken at FSE, contact AD] - <i>Extended Thesis (Sciences)</i> [to be taken at FSE, contact AD] - <i>Internship (Sciences)</i> [to be taken at FSE, contact AD]	15 ECTS
		Elective from list above (students already took Capstone Waves and Optics in yr 2!)	5 ECTS
		Elective in Science	5 ECTS
		Bachelor Thesis	10 ECTS
	Minor	Elective courses within Sciences/Social Sciences/Humanities**	20 ECTS
* Courses may be replaced by equivalent courses during study abroad			

MAJOR SCIENCES: Smart Technology			
Y E A R 1	Academic Core	<i>Challenges of Modern Society</i>	5 ECTS
		Year 1 UCG Liberal Arts & Sciences Skills and Group Projects	10 ECTS
		Research & Methodology: - <i>Academic Writing</i> - <i>Logic and Argumentation and Basic Statistics</i>	10 ECTS
		Discipline-specific research method: - <i>Calculus 1</i>	5 ECTS
	Major	Course: <i>Linear Algebra</i>	5 ECTS
		Course: <i>Modern Physics</i>	5 ECTS
		Elective course within Sciences, preferably Programming. Students who wish to pursue this specialisation will need to catch up on Programming Python in order to take some 200- level courses. Contact AD.	5 ECTS
		Elective course within Sciences Or Ethics	5 ECTS
Minor	Elective courses	10 ECTS	
Y E A R 2	Academic Core	Year 2 UCG Liberal Arts & Sciences Skills and Group Projects	10 ECTS
		<i>Philosophy of Science (NEW Compulsory)</i> <i>Choose two Research & Methodology courses from</i> Calculus 2 (prerequisite: Calculus 1) OR Statistics 1 (please check pre-requisites for your electives in yr 2!) Computational Methods for Science (prerequisite: Programming in Python)	15 ECTS

Y E A R 3	Major	<p><i>Two Compulsory</i> Machine Learning (prerequisite: Programming in Python) (from 2020-21) Smart Technologies Lab: Physical Principles</p> <p><i>Four electives to choose from</i> Applied Mechanics (prerequisite: Calculus 1) Artificial Intelligence (prerequisite: Programming in Python) Smart Technologies Lab: From Art to Robotics (prerequisite: Programming in Python) (from 2020-21) *** Advanced Programming (prerequisite: Programming in Python) (from 2020-21)*** Fields, Waves and Signals Big Data- Data Science Principles of Entrepreneurship Logic</p> <p><i>One elective to choose from any discipline</i></p> <p>Proposed course: Students can take Device Physics* at FSE already in year 2, if they wish to reserve space for AI or the Smart Tech Lab.</p>	35 ECTS
	Academic Core	Year 3 UCG Liberal Arts & Sciences Skills and Group Projects	5 ECTS
	Major	<p><i>Two electives to choose from:</i> Robotics (from 2021-22) Device Physics (from 2021-22) Health Technology (from 2021-22) Existential Risk OR Science Communication Extended thesis Internship</p> <p>Students from class 2021 who do not opt for a University Minor, may choose two additional electives at either level 200 or level 300. One elective must be within the chosen Major and one elective may be from any chosen discipline (confirm Major requirements TER 2019-20).</p>	15 ECTS
	Minor	<p>Capstone Smart Technologies</p> <p>Bachelor Thesis</p>	5 ECTS 10 ECTS
	Minor	Elective courses within Sciences/Social Sciences/Humanities**	20 ECTS

* Courses outside UCG! UCG schedules do not include these courses. Students will need to check up-to-date schedules online in 'Rooster'.
** Courses may be replaced by equivalent courses during study abroad
*** Students might take 300 level courses in yr 2 (if they have no prerequisites) and take these courses in 2020-21

MAJOR SCIENCES: Mind Machines and Morality			
Y E A R 1	Academic Core	<i>Challenges of Modern Society</i>	5 ECTS
		Year 1 UCG Liberal Arts & Sciences Skills and Group Projects	10 ECTS
		Research & Methodology: - <i>Academic Writing</i> - <i>Logic and Argumentation and Basic Statistics</i>	10 ECTS
		Discipline-specific research method: - <i>Calculus 1</i>	5 ECTS
	Major	Course: <i>Linear Algebra</i>	5 ECTS
		Course: <i>Biopsychology</i>	5 ECTS
		Course: preferably Programming. Students who wish to pursue this specialisation will need to catch up on Programming Python in order to take some 200- level courses. Contact AD.	5 ECTS
	One elective course, choose from: Philosophy of Mind (HU) Understanding Bias (HU) Ethics (SS) Living Cell I (SC) Systems View of Life	5 ECTS	
Minor	Elective courses	10 ECTS	
Y E A R 2	Academic Core	Year 2 UCG Liberal Arts & Sciences Skills and Group Projects	10 ECTS
		<i>Philosophy of Science (NEW Compulsory)</i> Choose two Research & Methodology courses from Calculus 2 (prerequisite: Calculus 1) OR Statistics 1 (please check pre-requisites for your electives in yr 2!) Computational Methods for Science (prerequisite: Programming in Python)	15 ECTS

Y E A R 3	Major	<p><i>Four Compulsory</i></p> <p>Artificial Intelligence (SC) (prerequisite: Programming Python) (from 2020-21)***</p> <p>Machine Learning (SC) (prerequisite: Programming Python)</p> <p>Smart Technologies Lab: From Art to Robotics (SC) (prerequisite: Programming Python) (from 2020-21)***</p> <p>Cognitive Psychology (SS)</p> <p><i>Two electives to choose from:</i></p> <p>Arts, Technology and Philosophy (HU)</p> <p>Freedom and Responsibility (HU)</p> <p>Logic (HU)</p> <p>Cognitive Neuroscience(SS)</p> <p>Advanced Programming (SC) (from 2020-21)</p> <p>Big data- Data Science (SC)</p> <p><i>One elective to choose from any discipline</i></p> <p>Proposed course: Students can take Device Physics* at FSE already in year 2, if they wish to reserve space for AI or the Smart Tech Lab.</p>	35 ECTS
	Academic Core	Year 3 UCG Liberal Arts & Sciences Skills and Group Projects	5 ECTS
	Major	<p><i>Two electives to choose from:</i></p> <p>Robotics (from 2021-22)</p> <p>Device Physics (from 2021-22)</p> <p>Health Technology (from 2021-22)</p> <p>Science Communication(SC)</p> <p>Metaphor, Meaning and Truth (HU)</p> <p>Extended thesis</p> <p>Internship</p> <p>Students from class 2021 who do not opt for a University Minor, may choose two additional electives at either level 200 or level 300. One elective must be within the chosen Major and one elective may be from any chosen discipline (confirm Major requirements TER 2019-20).</p>	20 ECTS
	Minor	<p>Capstone Smart Technologies OR Capstone Perspectives on Human Development</p> <p>Bachelor Thesis</p> <p>Elective courses within Sciences/Social Sciences/Humanities**</p>	5 ECTS 10 ECTS 20 ECTS
<p>* Courses outside UCG! UCG schedules do not include these courses. Students will need to check up-to-date schedules online in 'Rooster'.</p> <p>** Courses may be replaced by equivalent courses during study abroad</p>			

*** Students might take 300 level courses in yr 2 (if they have no prerequisites) and take these courses in 2020-21

MAJOR SCIENCES: Health and Life Sciences (HLS)

Within HLS recommendations for three different profiles are indicated: Neurosciences (NS) Life Science and Medicine (LSM) and Public Health (PH)

Y E A R 1	Academic Core	<i>Challenges of Modern Society</i>	5 ECTS
		Year 1 UCG Liberal Arts & Sciences Skills and Group Projects	10 ECTS
		Research & Methodology: - <i>Academic Writing</i> - <i>Logic and Argumentation and Basic Statistics</i>	10 ECTS
		Discipline-specific research method: - <i>Calculus 1</i> or <i>Mathematics for Social Sciences</i>	5 ECTS
	Major	Course: <i>Health and Disease (LSM, PH)</i>	5 ECTS
		Course: <i>Living Cell 1 (NS, LSM)</i>	5 ECTS
		Human anatomy and histology (NS, LSM) OR Biochemistry (NS, LSM) OR Biopsychology (NS)	5 ECTS
		Elective course within Sciences OR Policy making in the EU (PH)	5 ECTS
Minor	Elective courses	10 ECTS	
Y E A R 2	Academic Core	Year 2 UCG Liberal Arts & Sciences Skills and Group Projects	10 ECTS
	Academic Core	<i>Philosophy of Science (NEW- Compulsory)</i> <i>Discipline specific Research & Methodology</i> Two elective courses within Discipline-specific Research & Methodology courses (Appendix 4)	15 ECTS
	Major	<i>Choose six courses from</i> Medical Microbiology (LSM, PH) Living Cell II (NS, LSM) (prerequisite: Living Cell 1) Practical Life Science (NS, LSM) (prerequisite: Living Cell 1) Human immunology (NS, LSM, PH) Human Physiology (NS, LSM) Genetics (NS, LSM, PH) Access to medicines in a globalised world (PH) Clinical psychology (NS) Cognitive psychology (NS) <i>One elective to choose from any discipline</i>	35 ECTS
Y E A R 3	Academic Core	Year 3 UCG Liberal Arts & Sciences Skills and Group Projects	5 ECTS
	Major	Two out of the following elective courses (level 300): Health Technologies (from 2021-22) Science communication	20 ECTS

	<i>Extended Thesis (Sciences)</i> <i>Internship (Sciences)</i>	
	Students from class 2021 who do not opt for a University Minor, may choose two additional electives at either level 200 or level 300. One elective must be within the chosen Major and one elective may be from any chosen discipline (confirm Major requirements TER 2019-20).	
	<i>Capstone Sciences: Oncology</i>	5 ECTS
	Bachelor Thesis	10 ECTS
Minor	Elective courses within Sciences/Social Sciences/Humanities*	20 ECTS
* Courses may be replaced by equivalent courses during study abroad		

Recommended Minors

The following University Minors (30 EC) are recommended as deepening Minors within HLS for the indicated profiles:

- More Healthy Years (PH)
- Sport sciences (LSM)
- Culture and cognition (NS)
- Population studies (PH)

MAJOR: HUMANITIES

A few courses have changed course titles (and course codes), compared to TER 2018-19, these are:

Old Course Title	New Course Title
Logic and Argumentation (was: R&M)	Logic (now: elective)
Qualitative Data	Qualitative Data Collection and Analysis
Methods for Humanities 2	Methods for Humanities: Interpretive Methods
The Force of Myth in Culture and Politics	Myths we live by: Narrative in Politics and Society

MAJOR HUMANITIES: Social and Cultural Change			
Y E A R 1	Academic Core	<i>Challenges of Modern Society</i>	5 ECTS
		Year 1 UCG Liberal Arts & Sciences Skills and Group Projects	10 ECTS
		Research & Methodology: - <i>Academic Writing</i> - <i>Logic and Argumentation and Basic Statistics</i>	10 ECTS
		Discipline-specific research method: - <i>Methods for Humanities (= Methods for Humanities Empirical Methods)</i>	5 ECTS
	Major	Four out of the following elective courses (level 100): - <i>Culture: The Building Blocks</i> - <i>Human Geography</i> - <i>Media and Technology: Theory and Practice of Mediation</i> - <i>Understanding Culture</i> - <i>History: Beautiful Bodies</i> - <i>From Paint to Pixel</i> - <i>Artivism: the Arts in Society</i> - <i>How Art Makes the World</i> - <i>Music in Culture</i> - <i>Ethics</i> - <i>Political Philosophy</i> - <i>Understanding Bias: Gender Ethnicity and Age</i> - <i>Introduction to Epistemology, Metaphysics, and Philosophy of Mind</i> - <i>Systems View of Life</i>	20 ECTS
	Minor	Elective courses	10 ECTS
Y E	Academic Core	Year 2 UCG Liberal Arts & Sciences Skills and Group Projects	10 ECTS

A R 2	Academic Core	<i>Philosophy of Science NEW COMPULSORY</i> <i>Discipline specific Research & Methodology</i> - <i>Qualitative Data Collection and Analysis Methods</i> - <i>Methods for the Humanities: Interpretive Methods</i>	15 ECTS
	Major	<i>Choose at least four from:</i> Freedom and Responsibility Cultural Criticism Logic The Force of Myth in Culture and Politics Knowledge is Power Changing Places in World Literature Tolerating Diversity in Europe Arts, Technology, and Philosophy Gender in Culture (from 2020-21) Leadership in Culture <i>Choose max two from:</i> Big Data - Data Science International Relations Theories (and Practice) International Politics Ethics and International Business* Models of Democracy Social Networks and Social Complexity Decision Making <i>Choose one more course from any discipline</i>	35 ECTS
Y E A R 3	Academic Core	Year 3 UCG Liberal Arts & Sciences Skills and Group Projects	5 ECTS
	Major	Two out of the following elective courses (level 300): Made in Europe? Metaphor, Meaning, and Truth Modernity, Modernism and the Modern Existential Risks Science Communication Capstone SocCultTrans: Mind and Society - <i>Extended Thesis</i> - <i>Internship</i> Students from class 2021 who do not opt for a University Minor, may choose two additional electives at either level 200 or level 300. One elective must be within the chosen Major and one elective may be from any chosen discipline (confirm Major requirements TER 2019-20).	20 ECTS
		<i>Capstone Humanities: Futures for Humanities</i>	5 ECTS

		Bachelor Thesis Humanities	10 ECTS
	Minor	Elective courses within Sciences/Social Sciences/Humanities**	20 ECTS
<p>* Courses outside UCG! UCG schedules do not include these courses. Students will need to check up-to-date schedules online in 'Rooster'.</p> <p>** Courses may be replaced by equivalent courses during study abroad</p>			

Appendix 3: Grading

11	Description	Grade Point
90 – 100	Outstanding: An outstanding answer showing an extraordinary understanding of the issues and methodologies; original, independent thinking informs an answer based upon rigorous argument accurately supported by evidence derived from a wide range of source material; could not be bettered at undergraduate level in the time	4.0
82 – 89	Very good: An answer demonstrating a high level of understanding of the issues and methodologies; the answer displays independent thought, and strong and well organized argument, using a wide range of sources.	4.0
77 – 81		3.7
74 – 76	Good: A good answer showing most but not necessarily all of the above. The level of independent thinking is a bit lower.	3.3
70 – 73		3.0
67 – 69		2.7
64 – 66	Pass: An answer demonstrating satisfactory understanding of the issues, with a reasonable and reasonably well organised argument supported by a standard range of sources. The answer may display some shortcomings, but no fundamental errors.	2.3
60 – 63		2.0
55 – 59		1.7
53 – 54	Fail: An answer which shows minimal, inadequate or limited understanding of some of the issues raised by the question, with substantial omissions or irrelevant material, and limited use of relevant material. Poorly conceived and poorly directed to the question.	1.3
49 – 52		1.0
0 – 48	Fail: Unsatisfactory, but will show skeletal grasp of some relevant issues and necessary material and/or skills. There may be gross misconceptions which nevertheless show some evidence of an elementary grasp of issues. Or: no answer offered. Or: an answer which is totally irrelevant or fundamentally wrong.	0.0

Appendix 4: Overview with courses

Courses can be suitable to more than 1 major (see check marks). Courses that are labelled in different majors will contribute only once to the final programme.

* = course offered at another UG Faculty

Course name	NEW Course code	SC	SS	HU
<i>War</i>	UCG1AC11	X	X	X
<i>People, Places and Cultures in Global Context</i>	UCG1AC10	X	X	X
<i>Health & Disease</i>	UCG1AC06	X	X	X
<i>How Things Work: Physics in Everyday Life</i>	UCG1AC07	X		
<i>Culture: the Building Blocks</i>	UCG1AC05	X	X	X
<i>Media and Technology</i>	UCG1AC09	X	X	X
<i>Love</i>	UCG1AC08	X	X	X

Course name	NEW Course code	SC	SS	HU
<i>Living Cell I</i>	UCG1SC04A/B	X	X	
<i>Principles of Modern Technology</i>	UCG1SC01	X		
<i>Biochemistry</i>	UCG1SC06	X		
<i>Human Anatomy & Histology</i>	UCG1SC07	X		
<i>Linear Algebra</i>	UCG1SC02	X		
<i>Programming in Python</i>	UCG1SC03	X		
<i>Microeconomics</i>	UCG1SS01		X	
<i>Macroeconomics</i>	UCG1SS02		X	
<i>International Business</i>	UCG1SS10		X	
<i>Biopsychology</i>	UCG1SS05	X	X	
<i>Social and Cultural Psychology</i>	UCG1SS06		X	
<i>Introduction to Sociology</i>	UCG1SS07		X	
<i>Policy Making in the EU</i>	UCG1SS09	X	X	

<i>Fundamentals of Law</i>	UCG1SS11		X	
<i>Philosophy of Mind</i>	UCG1HU01	X	X	X
<i>Political Philosophy</i>	UCG1SS03		X	X
<i>Beautiful Bodies</i>	UCG1HU06			X
<i>Understanding Bias: Gender, Ethnicity, and Age</i>	UCG1HU04	X	X	X
<i>Art as Experience</i>	UCG1HU03			X
<i>Music in Culture</i>	UCG1HU05		X	X
<i>Ethics</i>	UCG1SS04	X	X	X
<i>Systems View of Life</i>	UCG1SC08	X	X	X

200 level courses (5 ECTS per course)					
Course name	NEW Course code	OLD Course code	SC	SS	HU
<i>Big Data- Data Science (start 2019-20)</i>	UCG2SC11	UCGSC219	X		X
<i>Advanced Programming (start 2020-21)</i>	UCG2SC12		X		
<i>Applied Mechanics</i>	UCG2SC05	UCGSC211	X		
<i>Fields, Waves and Signals (start 2019-20)</i>	UCG2SC06	UCGSC220	X		
<i>Smart Technology Lab: Physical Principles (start 2019-20)</i>	UCGSC215	UCGSC215	X		
<i>Artificial Intelligence (start 2020-21)</i>	UCG2SC13		X		
<i>Machine learning (start 2019-20)</i>	UCG2SC14	UCGSC220	X		
<i>Smart Technologies Lab: From Art to Robotics (start 2020-21)</i>	UCG2SC15		X		
<i>Medical Microbiology</i>	UCG2SC16	UCGSC205	X		
<i>Human Physiology</i>	UCG2SC01	UCGSC206	X		
<i>Living Cell II</i>	UCG2SC02	UCGSC207	X		
<i>Practical Life Science</i>	UCG2SC09	UCGSC214	X	X	
<i>Human Immunology</i>	UCG2SC04	UCGSC210	X		
<i>Genetics</i>	UCG2SC03	UCGSC208	X		
<i>Access to medicine in a globalized world</i>	UCG2SC10	UCGSC218	X	X	
<i>Global Corporate Strategy</i>	UCG2SS06	UCGSS208		X	
<i>Econometrics for Economics/ IEB *</i>	EBB814A05	EBB814A05		X	
<i>International Marketing</i>	UCG2SS10	UCGSS213		X	
<i>Public Finance</i>	UCG2SS12	UCGSS218		X	
<i>Growth Institutions and Business *</i>	EBB022A05	EBB022A05		X	
<i>Principles of Entrepreneurship</i>	UCG2SS17	UCGSS223		X	
<i>Political Economy</i>	UCG2SS03	UCGSS203		X	
<i>Introduction to Legal Theory</i>	UCG2SS01	UCGSS224		X	

<i>Policy and Principles of Private Law</i>	UCG2SS05	UCGSS207		X	
<i>International and European Law</i>	UCG2SS16	UCGSS210		X	
<i>International Relations Theories (and Practice)</i>	UCG2SS14	UCGSS220		X	X
<i>Cross-cultural management*</i>	EBB036A05	EBB036A05		X	
<i>International Politics</i>	UCG2SS15	UCGSS221		X	X
<i>Ethics and International Business *</i>	EBB608B05	EBB608B05		X	X
<i>Organisation and Society*</i>	SOBA 204A	SOBA 204A		X	
<i>Models of Democracy</i>	UCG2SS04	UCGSS204		X	X
<i>Social and Institutional Change*</i>	SOBA 904	SOBA 904		X	
<i>Social Networks and Social Complexity</i>	UCG2SS11	UCGSS215		X	X
<i>Decision Making</i>	UCG2SS09	UCGSS212		X	X
<i>Clinical psychology</i>	UCG2SS13	UCGSS222	X	X	
<i>Cognitive Psychology</i>	UCG2SS07	UCGSS209	X	X	
<i>Personality and Individual Differences *</i>	PSBE1-05	PSBE1-05		X	
<i>Test Theory *</i>	PSBE2-06	PSBE2-06		X	
<i>Statistics 3</i>	UCG2SS02	UCGAC202F		X	
<i>Freedom and Responsibility</i>	UCG2HU05	UCGHU210	X	X	X
<i>Logic</i>	UCG2HU01	UCGAC217	X	X	X
<i>Knowledge is Power</i>	UCG2HU03	UCGHU204			X
<i>Changing Places in World Literature</i>	UCG2HU07	UCGHU213			X
<i>Cultural Criticism</i>	UCG2HU04	UCGHU207			X
<i>Arts, Technology and Philosophy</i>	UCG2HU06	UCGHU211	X	X	X
<i>Tolerating Diversity in Europe</i>	UCG2HU02	UCGHU202		X	X
<i>Gender and Culture (start 2020-21)</i>	UCG2HU08				X
<i>Leadership in Culture</i>	UCG2HU10	UCGHU215			X
<i>The Force of Myth in Culture and Politics</i>	UCG2HU09	UCGHU214		X	X

300 level courses (5 ECTS per course)					
Course name	NEW Course code	OLD Course code	SC	SS	HU
<i>Device Physics (start 2021-22)</i>	UCG3SC02		X		
<i>Health Technologies (start 2021-22)</i>	UCG3SC03		X		
<i>Robotics (start 2021-22)</i>	UCG3SC04		X		
<i>Science Communication</i>	UCG3SC06	UCGSC304	X	X	X
<i>Capstone Sciences: Smart Technology (start 2021-22)</i>	UCG3SC05		X		
<i>Capstone Sciences: Oncology</i>	UCG3SC01	UCGSC302	X		
<i>Intermediate Macroeconomics *</i>	EBB842B05	EBB842B05		X	
<i>Intermediate Microeconomics *</i>	EBB852B05	EBB852B05		X	
<i>Globalization - The Great Unbundlings *</i>	EBB083A05	EBB083A05		X	
<i>Criminal Law</i>	UCG3SS01	UCGSS310		X	
<i>Evidence-based Policy analysis</i>	UCG3SS03	UCGSS305		X	
<i>History of economic thought (start 2020-21)</i>	UCG3SS08	UCGSS320		X	
<i>Clinical Neuropsychology*</i>	PSB3E-CN01	PSB3E-CN01	X	X	
<i>Capstone PPE/ IBE: Empirical Political Economy</i>	UCG3SS04	UCGSS308		X	
<i>Capstone IRIL/ IBE: The Age of Human Rights</i>	UCG3SS05	UCGSS309		X	
<i>Capstone IRIL/ IBE/ PPE: Global Justice</i>	UCG3SS06	UCGSS311		X	
<i>Capstone Mind & Behaviour: Perspectives on Human Development</i>	UCG3SS07	UCGSS304	X	X	
<i>Capstone SocCultTrans: Mind and Society</i>	UCG3SS02	UCGSS303		X	X
<i>Made in Europe?</i>	UCG3HU03	UCGHU304			X
<i>Modernity, Modernism and Modernity</i>	UCG3HU05	UCGHU306			X
<i>Meaning, and Truth in Language and Art</i>	UCG3HU04	UCGHU305	X		X
<i>Existential Risk</i>	UCG3HU06	UCGHU307	X		X
<i>Capstone Humanities: Futures for Humanity</i>	UCG3HU02	UCGHU303			X

Research & Methodology courses Indicated are the <i>recommended</i> R&M courses per major. Major Specializations may require specific R&M courses (see Appendix 5).					
Course name	NEW Course code	OLD Course code	SC	SS	HU
<i>Statistics 1</i>	UCG2RM02	UCGAC212	X	X	X
<i>Statistics 2 (pre-req Stats 1)</i>	UCG2RM03	UCGAC213	X	X	X
<i>Calculus 1 (pre-req Math Diagnostic Test 7.0)</i>	UCG1RM04	UCG1RM04	X	X	
<i>Calculus 2 (pre-req Calc 1)</i>	UCG2RM01	UCGAC211	X	X	
<i>Computational Methods for Science (prerequisite Programming in Python)</i>	UCG2RM04	UCGAC214	X	X	
<i>Mathematics for Social Sciences and Health Sciences</i>	UCG1RM03	UCG1RM03	X	X	
<i>Methods for Humanities: Empirical Methods</i>	UCG1RM02	UCG1RM02		X	X
<i>Qualitative Data Collection and Analysis Methods</i>	UCG2RM05	UCGAC215		X	X
<i>Methods of Humanities: Interpretive Methods</i>	UCG2RM06	UCGAC216		X	X

Academic Core Programme					
Course name	NEW Course code	OLD Course code	Level	ECTS	Period
Challenges of Modern Society 1	UCG1AC03		100	5ECTS	1.1
Challenges of Modern Society 2	UCG1AC04		100	5ECTS	1.2
Research and Methodology: Academic Skills 1	UCG1RM01		100	5ECTS	1.1
Research and Methodology: Introduction to Academic Research	UCG1AC02		100	5ECTS	1.2
Research and Methodology: Philosophy of Science	UCG2AC02	UCGAC210	200	5ECTS	2.3
LAS Project 1	UCG1AC01		100	5ECTS	1.3 and 1.4
LAS Project 2	UCG2AC01	UCGAC201	200	10ECTS	2.3 and 2.4

LAS Project 3	UCG3AC01	UCGAC301	300	5ECTS	3.3 and/ or 3.4
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Compulsory/ Major						
Course Name	NEW Course code	OLD Course Code	Level	SC	SS	HU
<i>Bachelor Thesis</i>	UCG3AC02	UCGAC304	300	X	X	X

Elective				
Course Name	Level	SC	SS	HU
<i>Internship</i>	Post-propaedeutic	X	X	X
<i>Extended Thesis</i>	300	X	X	X

Appendix 5: Major specializations

At University College Groningen, students have the opportunity to study three majors: Sciences, Social Sciences or Humanities. Within each major, major specialisations allow students to combine different academic disciplines or perspectives into a specific Bachelor programme that fits their interests and future plans. To provide guidance to this choice process, UCG provides examples of possible major specialisations below.

Major specialisations are never binding for the completion of the LAS programme, however, to receive the label of a designated specialisation on the diploma supplement, the requirements of that major specialisation need to be fulfilled.

MAJOR SOCIAL SCIENCES

MAJOR SOCIAL SCIENCES: Philosophy, Politics and Economics (PPE)			
Y E A R 1	Academic Core	Exploring Challenges of Modern Society 1 Exploring Challenges of Modern Society 2	10 ECTS
		Year 1 UCG Liberal Arts & Sciences Skills and Group Projects	5 ECTS
		Research & Methodology: - <i>Academic Writing</i> - <i>Introduction to Academic Research</i>	15 ECTS

Y E A R 2		Choose one from: - Mathematics for Social Sciences and Health Sciences - Methods for Humanities: Empirical Methods - Calculus 1	
		LAS Core Elective. Choose two from: - Culture: the Building Blocks - Health & Disease - Love - Media & Technology - People, Places and Culture in a Global Context - War	10 ECTS
	Major	Course: <i>Political Philosophy</i>	5 ECTS
		Course: <i>Microeconomics</i>	5 ECTS
		Course: <i>Macroeconomics</i>	5 ECTS
		<i>Elective, choose one from:</i> Social Sciences courses Or Philosophy of Mind	5 ECTS
	Academic Core	Year 2 UCG Liberal Arts & Sciences Skills and Group Projects	10 ECTS
		Research & Methodology: Philosophy of Science <i>Choose two from:</i> - <i>Statistics 1</i> - <i>Statistics 2</i> - Qualitative Data Collection and Analysis	15 ECTS
	Major	Pick two from: Models of democracy International relations theories (and practice) International politics Political Economy Pick two from: Freedom and Responsibility Arts, Technology and Philosophy Logic Pick one from: Public finance Econometrics for Economics Principles of Entrepreneurship Pick either Statistics 3 or one elective from the Social Science courses <i>Choose one more course from any discipline</i>	35 ECTS

Y E A R 3	Academic Core	Year 3 UCG Liberal Arts & Sciences Skills and Group Projects	5 ECTS
	Major	Pick 2 electives from the Social Sciences courses, and/or internship	10 ECTS
		<i>Capstone Empirical Political Economy OR Capstone Global Justice</i>	5 ECTS
		Bachelor Thesis	10 ECTS
	Minor	Personal Minor University Minor Minor Abroad	30 ECTS
* Courses outside UCG! UCG schedules do not include these courses. Students will need to check up-to-date schedules online in 'Rooster'.			

MAJOR SOCIAL SCIENCES: International Business and Entrepreneurship (IBE)			
Y E A R 1	Academic Core	Exploring Challenges of Modern Society 1 Exploring Challenges of Modern Society 2	10 ECTS
		Year 1 UCG Liberal Arts & Sciences Skills and Group Projects	5 ECTS
		Research & Methodology: - <i>Academic Writing</i> - <i>Introduction to Academic Research</i>	15 ECTS
		Choose one from: - Mathematics for Social Sciences and Health Sciences - Calculus 1	
		LAS Core Elective. Choose two from: - Culture: the Building Blocks - Health & Disease - Love - Media & Technology - People, Places and Culture in a Global Context - War	10 ECTS
	Major	Course: <i>International Business</i>	5 ECTS
	Course: <i>Political Philosophy</i>	5 ECTS	
	Course: <i>Microeconomics</i>	5 ECTS	
	Elective course within Social Sciences	5 ECTS	
Y E A R 2	Academic Core	Year 2 UCG Liberal Arts & Sciences Skills and Group Projects	10 ECTS
		Research & Methodology: Philosophy of Science <i>Choose two from:</i> - Statistics 1 - Statistics 2 - Qualitative Data Collection and Analysis	15 ECTS
	Major	<i>Compulsory</i> International marketing Global Corporate Strategy Principles of Entrepreneurship <i>Pick two electives from:</i> Cross cultural management * Ethics in international business* Growth, Institutions and Business* Econometrics for Economists* Statistics 3 <i>Pick one more elective from the Social Sciences</i>	35 ECTS

		<i>Choose one more course from any discipline</i>	
Y E A R 3	Academic Core	Year 3 UCG Liberal Arts & Sciences Skills and Group Projects	5 ECTS
	Major	Pick two electives from Social Sciences And/ or Internship	10 ECTS
		Capstone Global Justice or Capstone Empirical Political Economy or Capstone The Age of Human Rights	5 ECTS
		Bachelor Thesis	10 ECTS
Minor	Personal Minor University Minor Minor Abroad	30 ECTS	
* Courses outside UCG! UCG schedules do not include these courses. Students will need to check up-to-date schedules online in 'Rooster'.			

MAJOR SOCIAL SCIENCES: International Relations and International Law (IRIL)			
Y E A R 1	Academic Core	Exploring Challenges of Modern Society 1 Exploring Challenges of Modern Society 2	10 ECTS
		Year 1 UCG Liberal Arts & Sciences Skills and Group Projects	5 ECTS
		Research & Methodology: - Academic Writing - Introduction to Academic Research	15 ECTS
		Choose one from: - Mathematics for Social Sciences and Health Sciences - Methods for Humanities: Empirical Methods - Calculus 1	
	LAS Core Elective. Choose two from: - Culture: the Building Blocks - Health & Disease - Love - Media & Technology - People, Places and Culture in a Global Context - War	10 ECTS	
	Major	Course: Political Philosophy	5 ECTS
	Course: Fundamentals of Law	5 ECTS	
	Two electives from Social Sciences	10 ECTS	
Y E A R 2	Academic Core	Year 2 UCG Liberal Arts & Sciences Skills and Group Projects	10 ECTS
		Research & Methodology: Philosophy of Science <i>Choose two from:</i> - Statistics 1 - Statistics 2 - Qualitative Data Collection and Analysis - Methods for Humanities: Interpretive Methods	15 ECTS
	Major	<i>Compulsory</i> Introduction to Legal Theory International Relations Theories (and Practice) International and European Law International politics <i>Electives (2 in total)</i> Statistics 3 Models of democracy Political Economy Policy and principles of private law The force of Myth in Culture and Politics <i>Choose one more course from any discipline</i>	35 ECTS

Y E A R 3	Academic Core	Year 3 UCG Liberal Arts & Sciences Skills and Group Projects	5 ECTS
	Major	Criminal Law Choose another from the list of courses in the Social Sciences And/ or Internship	10 ECTS
		<i>Capstone: The Age of Human Rights OR Capstone Global Justice</i>	5 ECTS
		Bachelor Thesis	10 ECTS
	Minor	Personal Minor University Minor Minor Abroad	30 ECTS
* Courses outside UCG! UCG schedules do not include these courses. Students will need to check up-to-date schedules online in 'Rooster'.			

MAJOR SOCIAL SCIENCES: Mind and Behaviour

Y E A R 1	Academic Core	Exploring Challenges of Modern Society 1 Exploring Challenges of Modern Society 2	10 ECTS
		Year 1 UCG Liberal Arts & Sciences Skills and Group Projects	5 ECTS
		Research & Methodology: - Academic Writing - Introduction to Academic Research	15 ECTS
		Choose one from: - Mathematics for Social Sciences and Health Sciences	
	LAS Core Elective. Choose two from: - Culture: the Building Blocks - Health & Disease - Love - Media & Technology - People, Places and Culture in a Global Context - War	10 ECTS	
	Major	Course: Biopsychology	5 ECTS
Course: Social and Cultural Psychology		5 ECTS	
Two Electives Understanding Bias: Gender, Ethnicity and Age Philosophy of Mind Systems View of Life Programming in Python Ethics		10 ECTS	
Y E A R 2	Academic Core	Year 2 UCG Liberal Arts & Sciences Skills and Group Projects	10 ECTS
		Research & Methodology: Philosophy of Science	15 ECTS
		Choose two from: - Statistics 1 - Statistics 2 (Statistics 3 is recommended as course in yr 2 or yr 3)	

Y E A R 3	Major	<p><i>Compulsory Courses:</i> Cognitive Psychology Clinical Psychology</p> <p><i>Three out of the following courses</i> Decision Making Personality and Individual Differences * Test Theory * Organisation and Society Statistics 3</p> <p><i>Choose one more course from the Social Sciences</i></p> <p><i>Choose one more course from any discipline</i></p>	35 ECTS
	Academic Core	Year 3 UCG Liberal Arts & Sciences Skills and Group Projects	5 ECTS
	Major	<p><i>Two electives (level 300) from:</i> Social Sciences course list Capstone Mind and Society Extended Thesis Internship</p>	10 ECTS
		<i>Capstone Perspectives in Human Development</i>	5 ECTS
		Bachelor Thesis	10 ECTS
Minor	Personal Minor University Minor Minor Abroad	30 ECTS	
<p>* Courses outside UCG! UCG schedules do not include these courses. Students will need to check up-to-date schedules online in 'Rooster'.</p>			

MAJOR SOCIAL SCIENCES: Societies and Cultures in Transition

Y E A R 1	Academic Core	Exploring Challenges of Modern Society 1	10 ECTS
		Exploring Challenges of Modern Society 2	
		Year 1 UCG Liberal Arts & Sciences Skills and Group Projects	5 ECTS
		Research & Methodology: - Academic Writing - Introduction to Academic Research	15 ECTS
	Choose one from: - Mathematics for Social Sciences and Health Sciences		
	LAS Core Elective. Choose two from: - Culture: the Building Blocks - Health & Disease - Love - Media & Technology - People, Places and Culture in a Global Context - War	10 ECTS	
	Major	Course: Introduction to Sociology	5 ECTS
Course: Social and Cultural Psychology		5 ECTS	
Programming Python or Systems View of Life		5 ECTS	
One Elective Music in Culture Ethics Understanding Bias: Gender, Ethnicity and Age		5 ECTS	
Y E A R 2	Academic Core	Year 2 UCG Liberal Arts & Sciences Skills and Group Projects	10 ECTS
		Research & Methodology: Philosophy of Science <i>Choose two from:</i> - Statistics 1 - Statistics 2 - Qualitative Data Collection and Analysis	15 ECTS

Y E A R 3	Major	<i>Compulsory Course</i> Social Networks and Complexity <i>Three out of the following courses</i> Decision Making Access to Medicine in a Globalized World Tolerating Diversity in Europe Statistics 3 Organisation and Society * Social and Institutional Change* <i>Two electives to choose from Social Sciences</i> <i>One elective to choose from any discipline</i>	35 ECTS
	Academic Core	Year 3 UCG Liberal Arts & Sciences Skills and Group Projects	5 ECTS
	Major	<i>Two electives (level 300) from:</i> Globalization- the great unbundling * Evidence-based policy Extended Thesis Internship	10 ECTS
		<i>Capstone Mind and Society</i>	5 ECTS
		Bachelor Thesis	10 ECTS
Minor	Personal Minor University Minor Minor Abroad	30 ECTS	
* Courses outside UCG! UCG schedules do not include these courses. Students will need to check up-to-date schedules online in 'Rooster'.			

MAJOR: SCIENCES

MAJOR SCIENCES: Smart Technology			
Y E A R 1	Academic Core	Exploring Challenges of Modern Society 1 Exploring Challenges of Modern Society 2	10 ECTS
		Year 1 UCG Liberal Arts & Sciences Skills and Group Projects	5 ECTS
		Research & Methodology: - Academic Writing - Introduction to Academic Research - Calculus 1	15 ECTS
		LAS Core Elective. Choose two from: - Culture: the Building Blocks - Health & Disease - Love - Media & Technology - People, Places and Culture in a Global Context - War	10 ECTS
	Major	Course: <i>Linear Algebra</i>	5 ECTS
		Course: <i>Principles of Modern Technology</i>	5 ECTS
		Course: Programming Python	5 ECTS
Ethics OR Systems View of Life		5 ECTS	
Y E A R 2	Academic Core	Year 2 UCG Liberal Arts & Sciences Skills and Group Projects	10 ECTS
		Philosophy of Science Calculus 2 (prerequisite: Calculus 1) OR Statistics 1 (please check pre-requisites for your electives in yr 2!) Computational Methods for Science (prerequisite: Programming in Python)	15 ECTS

Y E A R 3	Major	<p><i>Two Compulsory</i> Machine Learning (prerequisite: Programming in Python) (from 2020-21) Smart Technologies Lab: Physical Principles</p> <p><i>Four electives to choose from</i> Applied Mechanics (prerequisite: Calculus 1) Artificial Intelligence (prerequisite: Programming in Python) Smart Technologies Lab: From Art to Robotics (prerequisite: Programming in Python) (from 2020-21) *** Advanced Programming (prerequisite: Programming in Python) (from 2020-21)*** Fields, Waves and Signals Big Data- Data Science Principles of Entrepreneurship Logic</p> <p><i>One elective to choose from any discipline</i></p>	35 ECTS
	Academic Core	Year 3 UCG Liberal Arts & Sciences Skills and Group Projects	5 ECTS
	Major	<p><i>Two electives to choose from:</i> Robotics (from 2021-22) Device Physics (from 2021-22) Health Technology (from 2021-22) Existential Risk OR Science Communication Extended thesis Internship</p>	10 ECTS
	Minor	<p>Capstone Smart Technologies</p> <p>Bachelor Thesis</p> <p>Personal Minor University Minor Minor Abroad</p>	5 ECTS 10 ECTS 30 ECTS
* Courses outside UCG! UCG schedules do not include these courses. Students will need to check up-to-date schedules online in 'Rooster'.			

MAJOR SCIENCES: Mind Machines and Morality			
Y E A R 1	Academic Core	Exploring Challenges of Modern Society 1 Exploring Challenges of Modern Society 2	10 ECTS
		Year 1 UCG Liberal Arts & Sciences Skills and Group Projects	5 ECTS
		Research & Methodology: - Academic Writing - Introduction to Academic Research - Calculus 1	15 ECTS
		LAS Core Elective. Choose two from: - Culture: the Building Blocks - Health & Disease - Love - Media & Technology - People, Places and Culture in a Global Context - War	10 ECTS
	Major	Course: <i>Linear Algebra</i>	5 ECTS
		Course: <i>Biopsychology</i>	5 ECTS
		Course: Programming Python	5 ECTS
<i>One elective course, choose from:</i> Philosophy of Mind (HU) Understanding Bias (HU) Ethics (SS) Living Cell I (SC) Systems View of Life		5 ECTS	
Y E A R 2	Academic Core	Year 2 UCG Liberal Arts & Sciences Skills and Group Projects	10 ECTS
		Philosophy of Science Calculus 2 (prerequisite: Calculus 1) OR Statistics 1 (please check pre-requisites for your electives in yr 2!) Computational Methods for Science (prerequisite: Programming in Python)	15 ECTS

Y E A R 3	Major	<p><i>Four Compulsory</i></p> <p>Artificial Intelligence (SC) (prerequisite: Programming Python) (from 2020-21)***</p> <p>Machine Learning (SC) (prerequisite: Programming Python)</p> <p>Smart Technologies Lab: From Art to Robotics (SC) (prerequisite: Programming Python) (from 2020-21)***</p> <p>Cognitive Psychology (SS)</p> <p><i>Two electives to choose from:</i></p> <p>Arts, Technology and Philosophy (HU)</p> <p>Freedom and Responsibility (HU)</p> <p>Logic (HU)</p> <p>Advanced Programming (SC) (from 2020-21)</p> <p>Big data- Data Science (SC)</p> <p><i>One elective to choose from any discipline</i></p>	35 ECTS
	Academic Core	Year 3 UCG Liberal Arts & Sciences Skills and Group Projects	5 ECTS
	Major	<p><i>Two electives to choose from:</i></p> <p>Robotics (from 2021-22)</p> <p>Device Physics (from 2021-22)</p> <p>Health Technology (from 2021-22)</p> <p>Science Communication(SC)</p> <p>Metaphor, Meaning and Truth (HU)</p> <p>Extended thesis</p> <p>Internship</p>	10 ECTS
		Capstone Smart Technologies OR Capstone Perspectives on Human Development	5 ECTS
	Minor	<p>Personal Minor</p> <p>University Minor</p> <p>Minor Abroad</p>	30 ECTS
<p>* Courses outside UCG! UCG schedules do not include these courses. Students will need to check up-to-date schedules online in 'Rooster'.</p>			

MAJOR SCIENCES: Health and Life Sciences (HLS)

Within HLS recommendations for three different profiles are indicated: Neurosciences (NS) Life Science and Medicine (LSM) and Public Health (PH)

Y E A R 1	Academic Core	Exploring Challenges of Modern Society 1 Exploring Challenges of Modern Society 2	10 ECTS
		Year 1 UCG Liberal Arts & Sciences Skills and Group Projects	5 ECTS
		Research & Methodology: - Academic Writing - Introduction to Academic Research	15 ECTS
		Choose one from: - Calculus 1 or Maths for Social Sciences and Health Sciences	
		LAS Core Elective. Choose two from: - Culture: the Building Blocks - Health & Disease - Love - Media & Technology - People, Places and Culture in a Global Context - War	10 ECTS
		Course: Living Cell 1 (NS, LSM)	5 ECTS
		Two electives, choose from: Human anatomy and histology (NS, LSM) OR Biochemistry (NS, LSM) OR Biopsychology (NS) Health & Disease (LSM, PH) Policy Making in the EU (PH)	10 ECTS
		Elective course within Sciences	5 ECTS
Y E A R 2	Academic Core	Year 2 UCG Liberal Arts & Sciences Skills and Group Projects	10 ECTS
		Philosophy of Science Discipline specific Research & Methodology Two elective courses within Discipline-specific Research & Methodology courses (Appendix 4)	15 ECTS
		<i>Choose six courses from</i> Medical Microbiology (LSM, PH) Living Cell II (NS, LSM) (prerequisite: Living Cell 1) Practical Life Science (NS, LSM) (prerequisite: Living Cell 1) Human immunology (NS, LSM, PH) Human Physiology (NS, LSM) Genetics (NS, LSM, PH) Access to medicines in a globalised world (PH) Clinical psychology (NS) Cognitive psychology (NS)	35 ECTS

		<i>One elective to choose from any discipline</i>	
Y E A R 3	Academic Core	Year 3 UCG Liberal Arts & Sciences Skills and Group Projects	5 ECTS
	Major	Two out of the following elective courses (level 300): Health Technologies (from 2021-22) Science communication <i>Extended Thesis</i> (Sciences) <i>Internship</i> (Sciences)	10 ECTS
		<i>Capstone Sciences: Oncology</i>	5 ECTS
		Bachelor Thesis	10 ECTS
	Minor	Personal Minor University Minor Minor Abroad	30 ECTS
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Recommended Minors

The following University Minors (30 EC) are recommended as deepening Minors within HLS for the indicated profiles:

- More Healthy Years (PH)
- Sport sciences (LSM)
- Culture and cognition (NS)
- Future planet innovation (LSM)
- Population studies (PH)

MAJOR: HUMANITIES

MAJOR HUMANITIES: Social and Cultural Change			
Y E A R 1	Academic Core	Exploring Challenges of Modern Society 1 Exploring Challenges of Modern Society 2	10 ECTS
		Year 1 UCG Liberal Arts & Sciences Skills and Group Projects	5 ECTS
		Research & Methodology: - Academic Writing - Introduction to Academic Research - Methods for Humanities: Empirical Methods	15 ECTS
		LAS Core Elective. Choose two from: - Culture: the Building Blocks - Health & Disease - Love - Media & Technology - People, Places and Culture in a Global Context - War	10 ECTS
	Major	<p><i>Choose at least two from:</i></p> <ul style="list-style-type: none"> How Art Makes the World Understanding Bias: Gender, Ethnicity and Age Political Philosophy Music in Culture Beautiful Bodies Philosophy of Mind Culture: the building blocks <p><i>Choose max 2 from:</i></p> <ul style="list-style-type: none"> Ethics Systems View of Life 	20 ECTS
Y E A R 2	Academic Core	Year 2 UCG Liberal Arts & Sciences Skills and Group Projects	10 ECTS
		Philosophy of Science	15 ECTS
		Discipline specific Research & Methodology - Qualitative Data Collection and Analysis Methods - Methods for the Humanities: Interpretive Methods	15 ECTS
		<p><i>Choose at least four from:</i></p> <ul style="list-style-type: none"> Freedom and Responsibility Cultural Criticism Logic The Force of Myth in Culture and Politics Knowledge is Power Changing Places in World Literature Tolerating Diversity in Europe Arts, Technology, and Philosophy Gender in Culture Leadership in Culture 	35 ECTS

Y E A R 3		<p><i>Choose max two from:</i></p> <ul style="list-style-type: none"> Big Data - Data Science International Relations Theories (and Practice) International Politics Ethics and International Business Models of Democracy Social Networks and Social Complexity Decision Making Introduction to Legal Theory <p><i>Choose one more course from any discipline</i></p>	
	Academic Core	Year 3 UCG Liberal Arts & Sciences Skills and Group Projects	5 ECTS
	Major	<p>Two out of the following elective courses (level 300):</p> <ul style="list-style-type: none"> Made in Europe? Metaphor, Meaning, and Truth Modernity, Modernism and the Modern Existential Risks Science Communication Capstone SocCultTrans: Mind and Society - <i>Extended Thesis</i> - <i>Internship</i> 	10 ECTS
		<i>Capstone Humanities: Futures for Humanities</i>	5 ECTS
		Bachelor Thesis Humanities	10 ECTS
Minor	<ul style="list-style-type: none"> Personal Minor University Minor Minor Abroad 	30 ECTS	
* Courses outside UCG! UCG schedules do not include these courses. Students will need to check up-to-date schedules online in 'Rooster'.			