



Minors Guide

Filling the minor space

2024-2025

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MINORS GUIDES: FILLING THE MINOR SPACE

MINORS' COORDINATING GROUP

Minors Project group 2023/2024	
Project manager and author	Hanneke Wiltjer
Education, Research and Quality Department and author	Joeri Versluis
Minor coordinator Health Education and Wellbeing domain	Rinke Dellebeke-van Hell
Minor coordinator Technology, Water and Environment domain	Manuel Magallon Drijfholt
Minor coordinator Business, Vitality and Hospitality domain	Martijn Ruissen
Domain offices representatives	Demi van Kogelenberg Loes de Jong

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1 FILLING THE MINOR SPACE

A minor is a specifically developed unit of study at a university of applied sciences. HZ and other Dutch universities of applied sciences offer several minors from which students can choose. In all cases, 30 credits are allocated to minors. Sometimes this can be done by taking one unit of study and in other cases you can stack several units.

Every undergraduate programme, both full-time and part-time, has a free minor space. For full-time students, this is usually a semester in the third year of study, in which students may choose how to obtain these 30 credits. Within part-time programmes, the moment is not fixed within the curricula, but students are allowed to shape their own study process and thus decide when to embark on (a) self-selected minor(s) to obtain these aforementioned 30 credits.

The minor space is designed to deepen or broaden your knowledge and skills. Deepening might involve taking a minor that enables you to develop further in a specific, specialist aspect of your future profession. Broadening involves increasing your view on society and societies and focusing on personal development in relation to the future field of work.

1.1 POSSIBILITIES REGARDING THE MINORS

If you study at HZ University of Applied Sciences (HZ), you may fill the minor space anyway, but there are also other ways to fill the minor space. You have the following options:

- a minor at HZ (<https://hz.nl/opleidingen/minoren>);
- a minor at another university of applied sciences or university in the Netherlands through Kies Op Maat (www.kiesopmaat.nl);
- a premaster (a bridging course to prepare for a master's programme);
- A Study Abroad;
- a different option offered by the study programme, defined in the programme's implementation regulations.

If you choose an option other than a minor at HZ or an option offered by the study programme that is laid down in the programme's implementation regulations, you will in all cases need permission from the departmental examination board (DEX), see also section 2.3. The DEX tests whether the level of the choice meets hbo level (VH level) and whether the offer does not overlap with the courses on offer in the student's study programme.

OPTIONS FOR THE MINOR SPACE	NEED FOR CONSENT DEX
Minor at HZ	No consent required
Minor at another university of applied sciences or university in the Netherlands	Permission needed
Premaster	Permission needed
Study period or minor abroad	Permission needed
Other option offered by the study programme, defined in implementation regulations of the programme.	No consent required

Note: if you do not meet the conditions for participation (see section 1.2) before starting to fill your minor space, you must request permission from the DEX in all cases, see also section 2.3

1.2 CONDITIONS FOR FILLING THE MINOR SPACE

The following study progress requirements apply to participating in (starting with) the minor electives section:

Four-year degree programme:

- the student has completed the propaedeutic examination, and
- the student has been awarded at least 30 credits of the main phase.

Three-year degree programme (accelerated track for student with a pre-university education diploma):

- the student has completed the propaedeutic examination, or
- the student has been awarded a minimum of 60 credits in total.

Additional requirements (study progress requirements, language requirements) for participation in (starting with) the minor electives section may be imposed by the degree programme the student is following. These additional requirements are described in the [CER Implementation Regulations](#) of your study program.

Additional requirements (requirements regarding the type of degree programme the student is following at HZ, study progress requirements, language requirements) for participation in a minor programme offered by HZ may be imposed by the HZ. These requirements are described under the relevant minor programmes in chapter 4 of this Minor Guide.

In chapter 2.2 you will read in which ways you can fill in the minor space. In chapter 2.3 you will read in which cases you must ask permission from the examination board and which criteria your application must meet.

1.3 EXEMPTION

If you estimate that you can claim an exemption for the minor or alternative elective, discuss this with your SCC. You can find more information about this in the CER and the exemption policy, see [MyHZ](#).

2 PROCESS OF FILLING THE MINOR SPACE

Good information and guidance are important when choosing your minor. In this chapter, we explain the process.

2.1 MAKING A CHOICE

You will find the most important information about filling the minor space in this document and on the HZ website. In addition, the implementation regulations (belonging to the Education and Examination Regulations, OER) of your study programme are an important source of information with regard to any further conditions for starting the minors in your study programme. The CER and implementation regulations can also be found on [the HZ website](#).

Naturally, you would like to ensure yourself thoroughly informed about the different options available to you. This can be done in the following ways:

1. You can study the [HZ Minorpage](#). There you will find the full range of HZ minors and information about the registration procedures. You can also find contact information of lecturers, in case you have specific questions about a particular minor.
2. On the HZ website, you can also find information provided by the International Office. This is important when you want to explore the minor Study Abroad. (<https://hz.nl/studeren/voltijd-studeren/naar-het-buitenland>).
3. Visit HZ's minor day. In early February, there will be a minor day where all HZ minors will be presented and where you can ask all your questions.
4. On the website www.kiesopmaat.nl you can find the minors offered by all educational institutions in the Netherlands. If you want to register for one of these minors, you can also do so via this website.
5. Engage with fellow students and your SCC. Older students may be able to give advice on the basis of their experiences. Your SCC may also have information regarding possible premasters you can take to achieve 30 credits.
6. If you are interested in a premaster's degree, please contact the relevant educational institutions and ask about the possibilities. Always discuss this with your SCC as well.
7. If you want to take advantage of another option offered by the study programme, defined in the programme's implementation regulations, you can ask for more information through your SCC.

It is important to start your orientation in time: for opportunities in the Netherlands, do this at least a year in advance, if you want to go abroad, at least one and a half years in advance. Also carefully read the information sent to you by e-mail about application periods and deadlines so that you can organise your application in time.

2.2 APPLICATION AND REGISTRATION

The enrolment process depends on your choice. The different options are explained below.

Note: If you choose an option other than a minor at HZ or an option offered by the study programme that is laid down in the programme's implementation regulation, you must in all cases request and receive permission from the departmental examination board (DEX), see also paragraph 2.3. If you want to take a minor at HZ or if you would like to follow the minor(s) offered by your study programme, laid down in its implementation regulations, but you do not meet the conditions for participation, you will need to talk to your SCC. On the basis of a positive advice from your SCC and valid arguments about fulfilling the conditions within a short period of time, you can request permission from the DEX to start your minor after all.

Registration can be done in the following ways:

FILLING MINOR SPACE	REGISTRATION PROCESS
Minor at HZ	<p>You can register for a minor via the HZ website, where you will be directed to register in Osiris. The deadlines for registration can be found on that page. The study programme will ultimately inform you whether you will be placed for the minor of your choice.</p> <p>Please note: Being able to participate in a minor at HZ always depends on the number of students registered. If there appears to be too little interest in a minor, it may be cancelled. You will then be given the opportunity to register for a different minor.</p>
Minor at an different university of applied sciences or university in the Netherlands	<p>You can apply via Kies op Maat. Every minor published on Kies op Maat has a registration deadline. Keep this in mind when you are looking for an external minor. If you have chosen from the selection on Kies op Maat, you can have a learning agreement made there. You print and sign the Kies op Maat learning agreement. You submit this learning agreement together with a motivation letter (see paragraph 2.3) and the module details (downloadable in Kies op Maat) to the departmental examination board by e-mail. It is a good idea to contact the educational institution to express your interest and to indicate that you are waiting for permission from the DEX at HZ.</p>
Premaster	<p>You agree with your SCC and the educational institute where the premaster takes place what is possible within your minor space. If the host educational institute agrees with your participation, you ask permission from the DEX and provide the necessary information (see paragraph 2.3). It is a good idea to keep the host institution informed that you are waiting for permission from the DEX at HZ.</p>
Study abroad	<p>For all opportunities abroad, coordinate the process with our International Office. For the sake of completeness: if you are not enrolled as a student at HZ, you cannot take a Study Abroad via HZ. A Study Abroad is a minor in which you choose a number of subjects from the offerings of partner institutions outside the Netherlands. The requirements and steps to take are described on MyHZ. Do you want to know what the partner institutions of HZ are? Then go to MyHZ under 'Orientation' or contact International Office.</p> <p>Once you have made your choice with the International Office, you follow the process for requesting permission from the DEX (see section 2.3).</p>
Different option offered by the study programme, defined in implementation regulations of the study programme.	<p>Ask your SCC about the possibilities. It is up to the teaching staff of the study programme to provide further information about this possibility and the corresponding process.</p>

2.3 REQUESTING PERMISSION FROM THE DEPARTMENTAL EXAMINATION BOARD

When you have to ask permission from the examination committee (DEX) (see page 4 of this document) you go through the following process: you contact the Study Coach and together you take care of supplying the necessary documents. On [MyHZ](#) and in Appendix 1 you will find the form that needs to be submitted to the DEX to substantiate your choice.

The rules about minors are determined and established in [Course and Examination Regulations](#).

The Examination Board will test the student's proposal against the following criteria:

- the relevant institution
 - is a participant in the Kies-op-Maat partnership in case you want to follow a minor programme offered by another university in the Netherlands, or
 - is a Dutch university in case you want to follow a pre-master (a bridging programme in preparation for a master's degree), or
 - is a partner of the HZ in case you want to follow a package of units of study of your choice offered by an institution for higher education abroad (check the [HZ International Office page](#)).
- the level is at least higher professional education (in Dutch: hbo) level, and
- the size is 30 credits in total, and
- the student meets the conditions for admission and participation set by the provider (requirements regarding the type of degree programme the student is following at HZ, study progress requirements, language requirements), and
- the overlap of the learning objectives with learning objectives of units of study that are part of the degree programme is not significant.

Participation in (starting) the completion of the minor space is subject to the study progress requirements described in paragraph 1.3.

Contact details:

- Business, Vitality & Hospitality domain study programmes: dex.bvh@hz.nl
- Health, Education & Wellbeing domain study programmes: dex.hew@hz.nl
- Technology, Water & Environment domain study programmes - Middelburg location: dex.twe-m@hz.nl
- Technology, Water & Environment domain study programmes - Vlissingen location: dex.twe-v@hz.nl

Once you have received approval from the DEX, please send the signed learning agreement to the institution where you want to take the minor (its address can be found on the learning agreement). If this host institution also agrees with your application, you can enrol. The host institution will tell you how to do this.

2.4 RESIT AND CHANGE

You may not have passed the exam in one year. This means that you still need to obtain the necessary credits in the following academic year. This can be done as follows:

FILLING MINOR SPACE	POSSIBILITY OF RESIT
<p>Minor at HZ</p>	<ol style="list-style-type: none"> 1. As long as the minor is offered by HZ, you can retake it every year. Contact the minor owner for more information and further coordination. 2. Should the minor no longer be offered in the year after you have taken the minor, you will have one more academic year to take resits. Contact the minor owner for more information and further coordination. 3. Should you also fail the exam in the following year, you can choose a new interpretation of your minor space in the following year. Always contact your SCC to discuss the possibilities and, if necessary, submit a motivated request to the DEX. Please note that sometimes you did complete part of the minor and therefore did receive part of the credits. This means that you will only have to redo the number of credits that you did not obtain.
<p>Minor at a different university of applied sciences or university in the Netherlands</p> <p>Premaster</p> <p>Study Abroad</p> <p>Other option offered by the study programme, defined in study programme implementing regulations</p>	<ol style="list-style-type: none"> 1. Contact the host institution about resit options and make arrangements with them on this. 2. Should the host institution no longer offer resit opportunities or if it is not possible to carry out the offered resit (e.g. because this is a physical test at a foreign location), you can choose a new fulfilment of your minor space in the following school year. Always contact your SCC to discuss the possibilities and then submit a motivated request to the DEX. Please note that sometimes you did complete part of the minor and therefore did receive part of the credits. This means that you only have to take a resit for the exam that was insufficient.

In case of force majeure, you may have to change your choice of minor just before the start of the initially chosen one. It is important that you coordinate this with your SCC and if you are abroad you also coordinate with the International Office. You will then adjust your education agreement and submit it to the DEX for approval.

2.5 WHO'S WHO IN THE PROCESS OF ORIENTING, APPLYING AND ENROLLING

For each minor you have to deal with several relevant parties. If, as an HZ student, you opt for a minor at another university of applied sciences, you will have to deal with various parties who have a say in your choice. The most important parties you will have to deal with are the host institution, the Student Office and the departmental examination board (DEX). If you are a HZ student going abroad, HZ International Office is also one of the parties. Below you will first find an overview of the parties involved per possible filling of the minor space. Then the roles and responsibilities of the various parties are articulated in more detail. This text was drafted on the basis of texts on the Kies op Maat website.

FILLING MINOR SPACE	RELEVANT PARTIES
Minor at HZ	<p>SCC: you discuss your choice with the SCC and, if necessary, the SCC can advise you or think along with you.</p> <p>If you do not meet the conditions for participation, but there are extenuating circumstances, you can request permission to start anyway through the DEX. If you meet the conditions for participation, you do not have to go through the DEX.</p>
Minor at another university of applied sciences or university in the Netherlands	<p>SCC: you discuss your choice with the SCC and together you prepare the documents to substantiate towards the DEX.</p> <p>Host educational institution: you agree with them whether the premaster is an option within your minor space, what the conditions for participation are and how many credits are involved. They must agree before you can request permission from the DEX for this filling of your minor space.</p> <p>DEX: They will assess your application.</p> <p>Student Office: Communication around Proof of Paid Tuition Fees and submission of the certificate obtained on completion for registration in Osiris at HZ.</p>
Premaster	<p>SCC: you discuss your choice with the SCC and together you prepare the documents to substantiate towards the DEX.</p> <p>Programme manager: The programme manager makes a decision on the application due to additional costs.</p> <p>Host educational institution: you agree with them whether the premaster is an option within your minor space, what the conditions for participation are and how many credits are involved. They must agree before you can request permission from the DEX for this filling of your minor space.</p> <p>DEX: They will assess your application.</p>
Study Abroad	<p>SCC: you discuss your choice with your SCC and together you prepare the documents for substantiation towards the DEX.</p> <p>International Office: With them you agree on the possibilities and whether you can be placed somewhere. You can go through all procedural, financial and practical aspects with them.</p> <p>Host institution: The entire procedure of applying for a Study Abroad, the allocation of a place at the partner institution and the nomination and registration with the partner institutions always takes place entirely via the HZ International</p>

	<p>Office. Only at a later stage will you have contact with the foreign partner institution yourself (HZ International Office coordinates this with you).</p> <p>You will make arrangements with them about your participation in their educational offerings. Sometimes this is done through the International Office so coordinate with them about communication with the host educational institution.</p> <p>DEX: will assess your application.</p>
Different option offered by the study programme, defined in implementation regulations of the programme.	SCC: you discuss your choice with the SCC and together you prepare the documents to substantiate towards the DEX.

Departmental-Examination Board (DEX) of your own study programme

The DEX:

- has insight into your study results;
- assesses whether the filling of the minor space is appropriate and of sufficient quality and level;
- formally grants permission to follow your choice;
- oversees the processing of the final study result in the student tracking system;

To perform this task properly, the DEX uses the learning agreement and its annexes, which contain all relevant information on the unit of study to be followed.

Student Office

You will encounter the student office mainly in the pre- and post-course of attending external educational offerings.

- Pre-course: you can claim a Proof of Paid Tuition Fees (BBC) from the student office or you can automatically download it in Studielink. You must submit such a BBC to the host education institution.
- Post-course: after you complete the minor, send the obtained certificate to the student office so that they can place it in Osiris.

Management study programme of the host institution

The management of study programme of the host institution (the institution where you want to complete your minor) ensures that the covenant agreed with the participating institutions is correctly implemented. This involves the quality of the information offered, the organisation around education (tasks of the lecturer), the correct provision of information (task of the information manager).

Study programme management at the host institution:

- Assesses whether the learning agreement contains the correct information;
- Assesses whether the learning agreement has been signed by the DEX of the home institution;
- assesses whether you meet the described requirements for participation;
- sees to it that the home institution participates in the Kies Op Maat partnership (in connection with the procedures to be followed);
- takes care of or supervises your registration;
- contributes to providing information to other stakeholders within their own institution (the central contact person, examination board, student and financial administration);

- takes care of informing teachers and other stakeholders.

International Office

The International Office will be happy to help you if you want to orientate on or apply for a Study Abroad programme. You can read about possibilities abroad via [Going abroad | HZ University of Applied Sciences](#). On [MyHZ you will find a step-by-step plan](#) of how to organise a Study Abroad. As well as the scholarships you can claim via HZ. You can also always contact us via internationaloffice@hz.nl. International Office:

- can inform you about opportunities abroad;
- can inform you about the necessary process steps you need to take to complete your minor space abroad;
- has overview of partner institutions;
- can advise on your application to the DEX for an application regarding foreign educational offers.

2.6 GETTING RESULTS PROCESSED AND FINALISED

After completing an **internal minor**, the lecturer will enter and confirm your grade, thus completing this part of your study programme.

After completing **education at another educational institution in the Netherlands**, ask the host institution to e-mail proof of completion (such as a transcript or certificate) directly to the departmental examination board belonging to your study programme, so that the departmental examination board can award credits for your minor on this basis. Agree with your SCC on how to register your certificate at HZ.

Completion and processing of an **external minor abroad** goes through International Office. International Office receives the Transcript of Records (ToR) from the host institution. They forward this to the SCC/minor coordinator. The latter checks whether the subjects on the ToR correspond to the subjects on the approved Learning Agreement, calculates the weighted average and forwards the ToR with his calculation to the DEX. At the next meeting, the DEX decides on the allocation of credits for the external minor. The result is entered into Osiris and becomes visible to you as a student.

3 INFORMATION FOR STUDENTS FROM OUTSIDE HZ

As an external student (living in the Netherlands), you can also take HZ minors. Our offer can be found both on the HZ website and the website www.kiesopmaat.nl. As an external student, you can apply for a HZ minor via the *Kies op Maat* website. Please note: as an external student, you cannot take HZ minors that have not been listed in Kies op Maat.

If you live in the Netherlands and would like to take an HZ minor, the first step is to choose from the possibilities offered in Kies op Maat. You can also find further information on the HZ website. Please note that you cannot register via the HZ website, but you can find information concerning the minor, including contact teachers and how they can be contacted. Next, you will have a conversation with the owner of the minor. This conversation can determine whether you have the right prior knowledge to successfully take the HZ minor of your choice. Be aware that it cannot always be guaranteed that a minor will take place. Even if a minor does go ahead, we cannot always guarantee that you will be placed. Some study programmes give priority to their own (HZ) students.

After a positive completion of the interview with the minor owner, select the minor of your choice on the Kies op Maat website, and click the 'Apply' button. A learning agreement will then be created for you. You print this and take it with you to the study advisor your own institution who can help you along in getting permission from your examination board. Once you have obtained this permission, send the signed learning agreement to HZ (the address can be found on the learning agreement). Once HZ has approved of your application, you can enrol.

After HZ has agreed to your application for a minor, you will register via Studielink for the HZ study programme to which the minor belongs. Next, ask you ask student administration of your own university to send a Proof of Paid Tuition Fees (BBC) to HZ student office (csa@hz.nl). If necessary, you can also register this Proof of Paid Tuition Fees (BBC) online yourself in Studielink. You will receive information about the start of the minor, your schedule, the required literature, etc. via the minor owner or the programme coordinator, and will also be published on our online learning environment.

If you have any questions about the above or are interested in regular educational offerings from HZ, please contact HZ Student Office: 0118 - 489 170 and e-mail: csa@hz.nl.

Note: If you do not live in the Netherlands, please contact the International Office about the possibilities and any process to apply internationaloffice@hz.nl.

4 OVERVIEW OF HZ MINORS

The [HZ website](#) always provides an up-to-date overview of the minors offered by HZ. The minors on offer are listed per semester. If you want to start with a minor in September, you choose one of the semester 1 minors. If you want to start with a minor in February, you can choose one of the semester 2 minors. For the specific starting dates of the semesters, please refer to the [HZ annual timetable](#) on the HZ website.

The [minor overview page](#) distinguishes between minors offered in Dutch and minors offered in English. In addition, the ECTS value of the minors is indicated: 15 or 30 credits. If you choose a minor of 30 credits, you will take one minor. Thus, if you choose minors with a value 15 credits, you take two minors of 15 credits to fill the minor space of 30 credits. For each minor, certain conditions may apply to join: you can find that information on the specific minor pages in the HZ minor offer on the [HZ website](#).

OVERVIEW OF EDUCATION TABLES MINORS

Block / Semester: S2					
MI00003	Title: Philosophy and ethics in the professional field				
Course information					
Number of credits: 30	Language: Dutch				
Course participation requirements:					
Prerequisites for participation in one or more tests:					
Concise description of course content:					
<p>What does it mean to be human? What is a good way of life? How can a society be made just? In the minor Philosophy and Ethics in the Profession, you will travel through world culture and be introduced to the insights of philosophers, writers and artists. You will explore what these insights mean for yourself, society and your (future) profession. Whether you study Business Administration, Civil Engineering, Nursing, ICT, Pedagogy or something else, philosophy always fits your study programme.</p> <p>During philosophy and cultural history lessons, you will discuss how the ideas of great thinkers are reflected in our present day. What do Plato, Van Gogh and Shakespeare teach us about love and desire? How did the Enlightenment shape our views on freedom and democracy? According to Aristotle, what personal virtues help you do your job well? You will also learn about philosophy within art. For these lessons, you are not only in the classroom: the teacher also takes you along the works of art in and around the HZ building. You also get to work yourself. You write an essay on a subject within your study programme or subject area. And you will literally put philosophy into practice. You do this, for instance, by giving a lesson or organising a philosophy café. Finally, this minor is about listening to each other and learning from each other. With your fellow students from various study programmes, you will discuss themes such as nature, equality, freedom and identity.</p>					
Course learning outcomes:					
<ul style="list-style-type: none"> - Link philosophy and ethics to your (future) profession - Engage in various forms of philosophical and ethical conversations - Write a philosophical argument - Reflect philosophically and ethically on various topics, such as meaning and the SDGs - Conduct a philosophical research project - Conduct a project with an ethical or philosophical topic. 					
Required reading:					
<ul style="list-style-type: none"> • Gaarder, J., & Klok, J. E. (2003). <i>De wereld van Sofie: roman over de geschiedenis van de filosofie</i>. Houtekiet/Fountain. • Storig, H. J. (2010). <i>Geschiedenis van de filosofie</i>. Spectrum. 					
Key data					
Key code	Form of test	Description	Weighting (%)	Bottom digit	Keys (block codes)
TOETS01 (VT)	Portfolio	CGI portfolio	100%	5,5	

Block / Semester: S2					
MI00004		Title: International Practice			
Course information					
Number of credits: 30			Language: English		
Course participation requirements:					
Prerequisites for participation in one or more tests:					
Brief description of course content: Conduct research on English as a second language at a school in Suriname, teach surfing lessons at a surf school in South Africa or cook with children at a BSO in New Zealand. In the International Practice minor, you will do internships and research abroad. You will get to know another culture and gain international experience. To find an internship, contact the HZ International Office. Before you go abroad, you take a preparation programme. All kinds of subjects are dealt with, such as intercultural communication and the phenomenon of culture shock. Attention is also paid to dealing with homesickness. You share with your fellow students what you already know about the country you are going to. You are taught how to set up a research project. You will need this knowledge, because in addition to an internship, you will carry out research and produce a product. Such a product could be, for example, a teaching kit or a protocol. When you are abroad, you will send a report of your work every week. Back in the Netherlands, you ask a fellow student to give feedback on your research report. You conclude the minor with a presentation to your fellow students and lecturers about what you have done and learnt.					
Course learning outcomes:					
<ul style="list-style-type: none"> You have an open, curious and unbiased attitude towards people from other cultures. You can deal with a variety of situations and different lifestyles and cultural practices. You examine your own outlook and motivation and question taken-for-granted assumptions. You actively approach new and strange contacts. You tailor your communication to the other person's culture. You can collaborate in a multidisciplinary team. You can see how the local situation is influenced by the wider, international context. You can formulate your position on topics such as migration, sustainability and human rights. 					
Required reading:					
<ul style="list-style-type: none"> Baarda, B., Bakker, E., Julsing, M., Fischer, T., Peters, V., & Van der Velden, T. (2013). <i>Basisboek Kwalitatief Onderzoek: Handleiding voor het opzetten en uitvoeren van kwalitatief onderzoek (3rd ed.)</i>. Noordhoff Publishers B.V. Cox, K., et al (ed), (2012). <i>Evidence-based practice for nurses. Methodology and implementation</i>. Publisher Lemma Loeffen, T., Tigchelaar, H. (2013). <i>Returning Insight, creative with diversity for social professionals</i>. Publisher Coutinho Verhoeven, N. (2014). <i>What is research? Practice book for methods and techniques (5th ed.)</i>. Boom Lemma Publishers 					
Key data					
Key code	Form of test	Description	Weighting (%)	Bottom digit	Keys (block codes)
TOETS01 (VT)	Assignment (individual)	Orientation report	10%	5,5	
TOETS02 (VT)	Assignment (individual)	Practical assignments	20%	5,5	
TOETS03 (VT)	Assignment (individual)	Final product	40%	5,5	
TOETS04 (VT)	Presentation (individual)	Reflection report and final presentation	30%	5,5	

Block / Semester: S2

MI00005	Title: Train the Trainer				
Course information					
Number of credits: 30			Language: Dutch		
Course participation requirements: students of the study programmes: Social Work, PABO, Nursing, Pedagogy, HRM, Sports Science, Tourism Management					
Prerequisites for participation in one or more tests:					
Brief description of course content: <p>With a training course, you want to convey knowledge and stimulate and activate your audience. To achieve this, you need specific training skills. With the Train the Trainer minor, you will learn how to develop a training programme and how to give it in practice. You will learn how people learn and how you can respond to this. You will also learn to deal with group processes and resistance.</p> <p>For the training you will develop, you choose a topical theme that is important in your (future) profession. For example, a training for employers on recognising the signs of burnout, for teachers on media literacy, for social workers on stigmatising clients or for sports coaches on discrimination in sports clubs. As a full-time student, you design a training together with fellow students. As a part-time student, you give the training at your own workplace. So you cover a subject from your own practice. When designing the training, you not only look at what you want to convey, but also at the best way to do it: what materials do you need, maybe you will use an actor, which room is suitable? And you develop yourself as a trainer. You present with enthusiasm, make contact, have didactic skills and are able to cooperate and advise. You will also learn to think from the point of view of your target group and gain experience in pitching your training. This will enable you to convince your (future) employer of the importance of your training for the organisation.</p>					
Course learning outcomes: <p>Learning outcome: You will deepen and broaden your knowledge on a current thematic issue in the Health, Education & Wellbeing Domain, by considering issues critically and from multiple theoretical and action perspectives. From this solid knowledge base, you enrich your own vision and are able to influence others with your vision.</p> <p>Learning outcome: You immerse yourself in the target group for which you design your training through research and develop your training skills, entrepreneurial skills and ultimately yourself as a 'trainer'. You design (in a team) a training course in consultation with a client, implement and evaluate it. You consciously use your own qualities to evoke learning processes in certain target groups in such a way that predefined results in the field of knowledge, skills or attitude are achieved.</p>					
Required reading: <ul style="list-style-type: none"> Het geheim van de trainer: De hoofdingrediënten van succesvolle (in-company) trainingen, Kaufman, L., & Ploegmakers, J., 2e druk, ISBN: 978-90-430-2136-4, Kosten: €37,95, Het geheim van de trainer: De hoofdingrediënten van succesvolle (in-company) trainingen 					
Key data					
Key code	Form of test	Description	Weighting (%)	Bottom digit	Keys (block codes)
TOETS01 (VT)	Presentation (individual)	Vision pitch Theme	25%	5,5	
TOETS02 (VT)	Portfolio	Trainer portfolio	25%	5,5	
TOETS03 (VT)	(Workplace) Assessment	Final assessment: the Training	50%	5,5	

Block / Semester: S2					
MI00007		Title: Acute care			
Course information					
Number of credits: 30			Language: Dutch		
Prerequisites for participation course: open to undergraduate nursing students only					
Conditions for participation in one or more tests: open to nursing students bachelor's programme only					
Concise description of course content: <p>This minor helps develop competences needed to provide acute care in patients with vital signs at risk. A key component is learning clinical reasoning from the acute and complex medical context. You broaden your knowledge enabling you to give and act responsibly with more arguments in acute situations in broad context of the healthcare field. Besides the focus on the adult patient with vitally endangered functions, there is also attention for the child and for the mental health client in acute situations.</p> <p>Within this minor, you complete the advanced programme vital patient (BAZ), which allows you to obtain the theoretical BAZ certificate. This certificate gives you exemption from this part in a specialist continuing education programme for up to 5 years after obtaining the Bachelor of Nursing.</p>					
Course learning outcomes:					
<ul style="list-style-type: none"> • You elaborate the physiology of the vital and other systems using key concepts and can systematically relate them to the pathology of: circulation, respiration, central nervous system, urogenital system, digestive system, blood & coagulation system and fluid & electrolyte balance. You systematically translate knowledge of symptoms and complaints of pathology into observations of parameters. • You apply knowledge of clinically relevant (side) effect(s) following the administration of medication, using repertory or compass. • You relate the parameters of pain and pain perception in a patient to adequate pain management. • You systematically assess the urgency of the patient case using his knowledge of the parameters/laboratory values and reason out the relationship between the parameters, complaints and symptoms. • Assess whether parameters/laboratory values are disturbed; <ul style="list-style-type: none"> - Assess the relationship between the parameters, complaints and symptoms; - Assess the reliability of the parameter values. • You apply skills on adequate data transfer to colleagues and/or other disciplines. 					
Required reading:					
<ul style="list-style-type: none"> • Proactive Nursing: klinische problematiek inzichtelijk, Bakker, M., 3e druk, ISBN: 978 90 8953 807 9, Kosten: €0,00 • Proactive Nursing Zakboekje, Bakker, M., 3e druk, ISBN: 9789024439409, Kosten: €14,95, Proactive Nursing Zakboekje 					
Key data					
Key code	Form of test	Description	Weighting (%)	Bottom digit	Keys (block codes)
TOETS01 (VT)	Written knowledge test	BIAZ_01- Introduction and circulation	30%	5,5	
TOETS02 (VT)	Written knowledge test	BIAZ_02- Respiration and Central Nervous System (CNS)	30%	5,5	
TOETS03 (VT)	Presentation (individual)	Poster presentation	40%	5,5	

Block / Semester: S2	
MI00008	Title: Creative Thinking and Design
Course information	
Number of credits: 30	Language: Dutch
Course participation requirements:	
Prerequisites for participation in one or more tests:	
<p>Brief description of course content:</p> <p>Fixed patterns can define your thinking and actions. A creative view then helps you see new possibilities and solutions. In the Creative Thinking and Design minor, you will learn to think and work innovatively and bring about improvement and change in your field. You will develop a concrete product that offers a solution to an issue in professional practice. The request for support may come from, for example, a municipality, hospital, school, neighbourhood, association, family or individual client. First, you will explore the situation in detail and map out the issue. This could be: How do we as a family deal with our child's behavioural problems? How can our hospital prevent needlestick injuries in patients? How can I present my company in a surprising way? To come up with answers, you will use your creativity. You will think up different possible solutions and discuss them in your learning team and with your tutor. You use their reactions and advice to further shape your ideas. As a final product, you will deliver a creative intervention for the problem you have been working on. For instance, you might develop a game to tackle bullying behaviour at school, or sports and game materials to get the elderly in a care home to exercise more.</p> <p>Learning outcome</p> <p>From a people-oriented approach and creative working method, you identify and analyse an issue in your professional practice. You increase your creative capital and arrive at ideas, solutions and results that are not self-evident. You go through the creative (design) process and design a professional product to support a specific professional situation. You enter into active cooperative relationships with relevant stakeholders and analyse professional situations. Through creative thinking and co-creation, you arrive at an issue together with relevant stakeholders and design an innovative and meaningful professional product. You connect to the working methods and available resources of the workplace. In your actions, you make choices based on the creative process that are appropriate to the issue and the context of those involved. Through brainstorming and prototyping in practice, you arrive at new insights into what works and what does not work. You work in practical situations with creative work forms and using various methods and tools. You evaluate the entire creative process with regard to the approach, the process, the professional product and the result, and you make recommendations. You continually substantiate your own professional action on the basis of theoretical insights and your own vision.</p> <p>You reflect on your own learning development on the basis of the activities undertaken. In doing so, you address both your professional development and your personal development of creativity.</p>	
<p>Course learning outcomes:</p> <ul style="list-style-type: none"> • You increase your creative capital. • You go through the creative process. • You enter into collaborative relationships in practice. • You analyse the professional situation and issue and arrive at a problem statement. • You design a professional product. • You evaluate the entire creative process with those involved. • You reflect on your personal and professional development. 	
<p>Required reading:</p> <ul style="list-style-type: none"> • Creativiteit als uitdaging in social werk, Paul Beekers, Ruud Kroes, Jan van Rosmalen, 1st edition, ISBN: 978 90 469 0557 9, Cost: €37.95, ISBN: 978 90 469 0557 9 Title: Creativiteit als uitdaging in social werk Author: Paul Beekers, Ruud Kroes, Jan van Rosmalen Publisher: Coutinho Print:1 Year:2020 	
Key data	

Key code	Form of test	Description	Weighting (%)	Bottom digit	Keys (block codes)
TOETS01 (VT)	Criterion-based interview	High-stake Criterion-Based Interview	100%	5,5	B4.7; B4.9/10

Block / Semester: S2					
MI00009A		Title: Movement education - Block 1			
Course information					
Number of credits: 15			Language: Dutch		
Prerequisites for participation course: open to students of the Bachelor of Primary Education Teacher only					
Conditions for participation in one or more tests: only open to students of the Bachelor of Primary Education Teacher's programme					
Concise description of course content: The apprenticeship leads to the qualification to teach physical education lessons to all groups 3 to 8 in primary education and all groups in special primary and special education. You start by offering single movement activities and build this up to a full physical education lesson that is challenging, safe and where fun is paramount. You learn how to make pupils move better, cooperate well and with respect for another person in different movement situations and assess their own movement situations. Your own skills also come back. You will try out different movement situations to give instructions in different ways and experience how these instructions can help pupils move better. Not so good at sports? No problem, you will also learn how to clarify instruction in different ways. Together, we will look at movement opportunities outside the gym in the broad context. The schoolyard, the school corridors, the park, you name it. All with the aim of instilling in the pupils that exercise is fun and therefore lifelong exercise!					
Course learning outcomes:					
<ul style="list-style-type: none"> • How do I set a safe, challenging lesson, taking into account the different movement levels in the class? • How do I increase exercise opportunities in the wider context? • How do I deploy different instructional and learning aids with different students in the classroom? For each individual, what works best in groups? 					
Required reading:					
<ul style="list-style-type: none"> • Basisdocument bewegingseducatie, C. Mooij, 6th edition, ISBN: 9789072335517, Basic document on movement education, ISBN 9789072335517, Mooij, C., Jan Luiting Fonds, 6th edition • Beter spelen en bewegen met kleuters, T. de Groot, 2nd edition, ISBN: 9789082584103, Better play and move with preschoolers, ISBN 9789082584103, de Groot, T. Thema, 2nd edition. • Onderwijs in bewegen, Theo de Groot, 3rd edition, ISBN: 9789082584189, https://www.onderwijs-in-bewegen.nl/opleidingen/hogeschool-zeeland/ 					
Key data					
Key code	Form of test	Description	Weighting (%)	Bottom digit	Keys (block codes)
TOETS01 (VT)	Portfolio	Study assignments	20%	5,5	
TOETS02 (VT)	Written knowledge test	Knowledge test	20%	5,5	
TOETS03 (VT)	Presentation (individual)	Own skill	20%	5,5	
TOETS04 (VT)	(Workplace) Assessment	Internship assessment	20%	5,5	
TOETS05 (VT)	(Workplace) Assessment	Presence	0%	-	
TOETS06 (VT)	Oral test	Final interview	20%	5,5	

Block / Semester: S2					
M100009B		Title: Movement education - Block 2			
Course information					
Number of credits: 15			Language: Dutch		
Prerequisites for participation course: open to Teacher Training Primary Education Bachelor students only					
Conditions for participation in one or more tests: only open to Teacher Training Primary Education Bachelor students.					
Brief description of course content: The course trains to become qualified to teach physical education to all groups 3 to 8 in primary education and all groups in special primary and special education. You start by offering single movement activities and build this up to a full movement education lesson that is challenging, safe and where fun is paramount. You will learn how to make students move better, work well and respectfully together in different movement situations and assess their own movement situations. Your own skill set also comes back. You will try out different movement situations to be able to give instructions in different ways and experience how these instructions can help students move better. Not so good at sports? No problem, you will also learn how to clarify instruction in different ways. Together, we will look at exercise opportunities outside the gym in the broad context. The school playground, the school corridors, the park, you name it. All with the aim of instilling in students that exercise is fun and therefore a lifetime of exercise!					
Learning outcomes of the course: See block 1					
<ul style="list-style-type: none"> • How do I set a safe, challenging lesson, taking into account the different movement levels in the class? • How do I increase opportunities to do exercise in the wider context? • How do I deploy different instructional and learning aids with different students in the classroom? For each individual, what works best in groups? 					
Required reading:					
<ul style="list-style-type: none"> • Basisdocument bewegingsonderwijs, C. Mooij, 6th edition, ISBN: 9789072335517, Basic document on movement education, ISBN 9789072335517, Mooij, C., Jan Luiting Fonds, 6th edition • Beter spelen en bewegen met kleuters, T. de Groot, 2nd edition, ISBN: 9789082584103, Better play and move with preschoolers, ISBN 9789082584103, de Groot, T. Thema, 2nd edition. • Onderwijs in bewegen, Theo de Groot, 3rd edition, ISBN: 9789082584189, https://www.onderwijs-in-bewegen.nl/opleidingen/hogeschool-zeeland/ 					
Key data					
Key code	Form of test	Description	Weighting (%)	Bottom digit	Keys (block codes)
TOETS01 (VT)	Portfolio	Study assignments	20%	5,5	
TOETS02 (VT)	Written knowledge test	Knowledge test	20%	5,5	
TOETS03 (VT)	Presentation (individual)	Own skill	20%	5,5	
TOETS04 (VT)	(Workplace) Assessment	Internship assessment	20%	5,5	
TOETS05 (VT)	(Workplace) Assessment	Presence	0%	-	
TOETS06 (VT)	Oral test	Final conversation	20%	5,5	

Block / Semester: S1					
Block / Semester: S2					
MI00010	Title: Vital Society				
Course information					
Number of credits: 30			Language: Dutch		
Course participation requirements:					
Prerequisites for participation in one or more tests:					
Brief description of course content: Mental problems in young people, performance pressure at school, ethnic inequality, poverty. Complex social problems like these are called wicked problems. In the Vital Society minor, you will study the causes of wicked problems and the people affected by them, and work on innovations to develop new technologies, services or products. You will learn to think creatively, conduct practice-oriented research, cooperate with other fields and show personal leadership. You will take the minor at the HZ Associate professorship Healthy region. Together with an interdisciplinary team of fellow students, you will work on a question from a client in the field of vitality. During one of the lectures, clients from the region will pitch their assignment, such as reducing childhood obesity or the sustainable and responsible entrepreneurship of an organisation. On your project, you will apply Design Thinking, a step-by-step plan that lets you look outside the box at complex problems. You learn to think from the user and his needs. During your practical assignment, you will also use existing research to underpin why you make certain choices. This minor will enable you to contribute to an environment in which people live, work and recreate with value.					
Course learning outcomes:					
<ul style="list-style-type: none"> • You can formulate appropriate and innovative advice for practice on a complex social issue using the stages of Design Thinking. • You can make recommendations for practice through literature review that contribute to structural change. • You can collaborate with other disciplines and show personal leadership in working out social issues. 					
Compulsory literature: No compulsory literature					
Key data					
Key code	Form of test	Description	Weighting (%)	Bottom digit	Keys (block codes)
TOETS01 (VT)	Assignment (individual)	Project plan	20%	5,5	
TOETS02 (VT)	Assignment (individual)	Critical appraisal of a topic	25%	5,5	
TOETS03 (VT)	Presentation (individual)	Final presentation	40%	5,5	
TOETS04 (VT)	Portfolio	Personal leadership in the interprofessional setting	15%	5,5	

Block / Semester: S2					
MI00011		Title: The Recovery-oriented Professional			
Course information					
Number of credits: 30			Language: Dutch		
Course participation requirements:					
Prerequisites for participation in one or more tests:					
Concise description of course content:					
<p>The minor focuses on how to optimise the social functioning of people with needs for long-term care. These are people with, for example, mental health problems, a mental disability or a somatic condition, e.g. non-congenital brain injury. These people are often dependent on care and support. In the minor, we use various theories, models and methodologies and especially on the basis of a shared vision on health and recovery to work out how we can support this target group in such a way that they can work on their recovery. Not so much medical recovery, but especially recovery of life. The client is central as a person, who does the client want to be, what are his wishes, future prospects, hopes, social roles? And how can you, as a professional, empower the client to fulfil that future perspective and what recovery support is needed?</p> <p>We do this through interactive lessons (both physical and online), guest lectures, practice-oriented group assignments and self-study assignments.</p>					
Course learning outcomes:					
<ul style="list-style-type: none"> You can use knowledge and skills to best support the client's recovery process in complex cases. You know how to apply frameworks, guidelines and responsibilities in complex casework. You can develop concrete improvements in healthcare practice in collaboration with others on a project basis. 					
Required reading:					
<ul style="list-style-type: none"> Samen werken aan gezondheid, medische basiskennis voor de social worker, Iersel, J. van & Wijngaarden- de Bodt, D. van, 1st edition, ISBN: 9789046905920, Cost: €40.50, Iersel, J. van & Wijngaarden- de Bodt, D. van (2018) Working together on health, basic medical knowledge for the social worker. Bussem: Coutinho. Recht voor de social profesional, Sepmeijer-Schmahl, D. & Sepmeijer, M., 2nd edition, ISBN: 9789024437405, Cost: €44.95, Sepmeijer-Schmahl, D. & Sepmeijer, M. (2021). Law for the social professional (2nd edition). Amsterdam: Boom Publishers. Beroepscompetentieprofiel GGZ Agoog HBO, GGZ Nederland, Cost: €0,00, Beroepscompetentieprofiel GGZ Agoog HBO (2012) GGZ Nederland Sectoraal adviescollege hoge sociale studies, National Training Document for Social Work (2017). Amsterdam: SWP. (Free online). GGZecademy *For HBO-V and SW: you received an access key for this earlier in the study programme. 					
Key data					
Key code	Form of test	Description	Weighting (%)	Bottom digit	Keys (block codes)
TOETS01 (VT)	Portfolio	IPSIG report	10%	5,5	
TOETS02 (VT)	Portfolio	Portfolio	40%	5,5	
TOETS03 (VT)	Criterion-based interview	Criterion-based interview	50%	5,5	

Block / Semester: S2					
MI00012		Title: Special Educational Needs			
Course information					
Number of credits: 30			Language: Dutch		
Prerequisites for participation in the course: open only to students of the Bachelor of Primary Education Teacher programme					
Conditions for participation in one or more exams: only open to students of the Bachelor of Primary Education Teacher's programme					
Concise description of course content: <p>During this minor, you will immerse yourself in special educational needs by completing an internship. You will carefully study and follow some pupils for a longer period of time. During this in-depth study, you will investigate how you can help the pupil move on.</p> <p>You will also be taught by experts about groups of pupils with specific educational needs. These include autism, giftedness and newcomers. The lessons of these experts will not only take place at HZ, but you will also visit schools specialised in working with this target group.</p>					
Course learning outcomes:					
<ul style="list-style-type: none"> • Students immerse themselves in a form of Specialist Education through internships. • Students acquire additional tools to work with children with special educational needs. • Students gain insight into the care pathway within education. 					
Compulsory literature: No compulsory literature					
Key data					
Key code	Form of test	Description	Weighting (%)	Bottom digit	Keys (block codes)
TOETS01 (VT)	(Workplace) Assessment	Practice	50%	5,5	
TOETS02 (VT)	Presentation (individual)	Research report & Presentation	50%	5,5	

Block / Semester: S2					
MI00013		Title: Exploration VO/MBO (ZAOS)			
Course information					
Number of credits: 30			Language: Dutch		
Course participation requirements:					
Prerequisites for participation in one or more tests:					
Concise description of course content: Exploration Secondary (VO) and/or Secondary Vocational Education (MBO). Teaching English or Dutch to mavo, havo or vwo pupils. Or teaching Citizenship in secondary vocational education. In the minor in Vocational Education Exploration you do an internship in secondary education or senior secondary vocational education and teach one subject for a semester. You will also carry out practical research at your placement school. You will take the minor at ZAOS, Zeeland's Academic Training School. This partner of HZ specialises in supervising trainee teachers. You will work at a school two days a week. You choose that school in consultation with the ZAOS, as well as the subject you will teach. As a student Primary Education Teacher, you can use the teaching experience you have already gained with a new target group. If you study Pedagogy or Social Work, it will be new for you to be in front of the classroom. On the days when you are not teaching, you will take lessons. You will learn about developmental psychology, adolescent behaviour and parent contact. There is also a focus on work pressure: how do you ensure a good work-life balance as a teacher? Finally, you will conduct practical research at your workplace. You choose the topic yourself. You can, for instance, focus on the effect of different teaching methods, pupil arrears or teaching non-native speakers.					
Course learning outcomes:					
<ul style="list-style-type: none"> • Introduction within VO e/o MBO • Assisting and teaching within VO e/o MBO • Development and Uniqueness: the young adolescent • How to set up effective practice research 					
Required reading:					
<ul style="list-style-type: none"> • Praktijkonderzoek in de school, Donk, C van der. & Lanen, B. va, 3rd edition, ISBN: 9789046907320, Cost: €39.50, Practical research in school. 					
Key data					
Key code	Form of test	Description	Weighting (%)	Bottom digit	Keys (block codes)
TOETS01 (VT)	Portfolio	Theory: Assessment portfolio	10%	5,5	
TOETS02 (VT)	(Workplace) Assessment	Theory: lecture attendance	10%	5,5	
TOETS03 (VT)	Portfolio	Practice: development portfolio	10%	5,5	
TOETS04 (VT)	(Workplace) Assessment	Practice: Assessment	10%	5,5	
TOETS05 (VT)	(Workplace) Assessment	Practice: final interview	20%	5,5	
TOETS06 (VT)	Assignment (individual)	Research: Report	36%	5,5	
TOETS07 (VT)	Presentation (individual)	Research: Presentation	4%	5,5	

Block / Semester: S2					
MI00014		Title: Youth and family professional			
Course information					
Number of credits: 30			Language: Dutch		
Course participation requirements:					
Prerequisites for participation in one or more tests:					
Concise description of course content: The minor 'Youth and Family Professional' focuses on young people up to 23 years of age. Professionals working in this field contribute to promoting and utilising the developmental opportunities of young people to grow into autonomously functioning and participating adults. They monitor the safety of children and young people and they prevent, eliminate or counteract threats to physical and psychosocial development. They also strengthen the parenting competence of parents (National Training Document on Social Work, 2017).					
Course learning outcomes: You identify abnormal behaviour and deviations from healthy development in children and adolescents and recognise to what extent there is a problem or a possible disorder, by gathering information from multiple angles and perspectives and having basic knowledge of: the main psychopathological characteristics of the most common disorders, differential diagnosis - comorbidity - prevalence - the main classification systems and diagnostic methods. You explain, through the use of reliable and valid resources and instruments, which personal (micro) and environmental (meso and macro) factors influence development and know what this requires for the social worker's approach in counselling both the child and the system. You identify when parents/educators are unable to adequately support their children in their development and can give professional action advice on how to properly deal with deviant behaviour. You will substantiate your pedagogical vision from various theoretical perspectives on the upbringing and development of children with conspicuous behaviour and you will be able to compare these with other common views. You will implement practice-based interventions to promote social functioning of the adolescent and family in complex situations. You can justify your actions as a social worker on the basis of the frameworks, guidelines and responsibilities used in the field. You know how to combine the frameworks and policies and what consequences this has for the organisation. You work proactively and interdisciplinary from common goals on a client question, using interprofessional perspectives. By knowing the qualities and perspectives of yourself and others and using these as complementary and valuable, you harmonise processes, working methods and expertise to arrive at an integral <u>plan of approach</u> to improve client functioning. You reflect on the functioning of the interdisciplinary team and your own contribution to the whole from different interdisciplinary roles. You know the added value of looking at issues in an interprofessional way, and how this broadens your own perspective and serves the interests of care (client). You show how you integrate these new insights into your current and future professional practice.					
Required reading: <ul style="list-style-type: none"> • Rigter, J. & Hintum, M. van (2015). Ontwikkelingspsychopathologie bij kinderen en jeugdigen. Bussum: Uitgeverij Coutinho. ISBN: 978 90469 0494 7 • Bolt, A. (2017). Het gezin centraal. Amsterdam: Uitgeverij SWP. ISBN: 978 90885 0659 8 • Sepmeijer-Schmahl. & D Sepmeijer, M. (2021). Recht voor de sociaal professional Amsterdam: Boom uitgevers. ISBN9789024437405 					
Key data					
Key code	Form of test	Description	Weighting (%)	Bottom digit	Keys (block codes)
TOETS01 (VT)	Portfolio	Portfolio	40%	5,5	
TOETS02 (VT)	Oral exam	Assessment	50%	5,5	
TOETS03 (VT)	Portfolio	Portfolio IPSIG	10%	5,5	

Block / Semester: S2					
MI00016		Title: Applied Data Science			
Course information					
Number of credits: 30			Language: Dutch and English		
Course participation requirements:					
Prerequisites for participation in one or more tests:					
Concise description of course content: <p>In this minor, you are going to learn about advanced machine learning and deep learning. It is an applied minor, so you will apply your new knowledge and develop the skills to make it work in practice. The deep learning practice consists of participating in two competitions on the Kaggle platform, www.kaggle.com. You start with recognition of hand written digits, and then progress to image classification. For advanced machine learning, you will contribute to a real project. To let the minor results contribute to our research, we focus on a project that is running at the same time as the minor.</p> <p>Therefore, the subject of this project is different from year to year. In cooperation with other researchers, you will try to contribute to our knowledge and tools - by applying advanced machine learning techniques.</p>					
Course learning outcomes:					
<ul style="list-style-type: none"> • You set up a data science process • You collect and address relevant data • You perform data analysis • You evaluate and deploy results of the data science process 					
Required literature: There is no required literature for this minor.					
Key data					
Key code	Form of test	Description	Weighting (%)	Bottom digit	Keys (block codes)
TOETS01 (VT)	Portfolio	Portfolio	100%	5,5	

Block / Semester: S1					
MI00017	Title: Nautical Specialties				
Course information					
Number of credits: 40	Language: Dutch				
Conditions for participation course: open to undergraduate Maritime Officer students only					
Conditions for participation in one or more tests: open only to students of the bachelor Maritime Officer programme					
Concise description of course content: Transporting heavy or voluminous cargoes is spectacular due to the enormous weights and/or dimensions. Often during loading and/or discharging, the limits of the vessel's stability are reached. In other cases the metacentric height is insufficient and an enlargement of the waterplane area is necessary. Different techniques for loading/discharging heavy cargoes such as using cranes and using semi-submersible ships are explained in this course					
Course learning outcomes:					
<ul style="list-style-type: none"> • Designing, conducting and defending practice-based research. • Deepening in the areas of cargo handling (heavy cargo), passenger ships (safety and manoeuvring), navigation, sailing in pilot waters and maritime logistics. 					
Required reading:					
<ul style="list-style-type: none"> • Krab. reader zware lading., Kosten: €0,00, Heavy lift 					
Key data					
Key code	Form of test	Description	Weighting (%)	Bottom digit	Keys (block codes)
TOETS01 (VT)	Written knowledge test	Heavy Lift: Heavy Lift stability	9%	5,0	B1.9, B2.1
TOETS02 (VT)	Assignment (individual)	Heavy Lift: Assignment Heavy Lift	8%	5,0	B2.8, B2.10
TOETS03 (VT)	Oral test	Heavy Lift: Oral examination	8%	5,0	B2.8, B2.10
TOETS04 (VT)	Written knowledge test	Navigation: Navigation	13%	5,0	
TOETS05 (VT)	Written knowledge test	Navigation: Errors and compasses	12%	5,0	
TOETS06 (VT)	Portfolio	Passenger Ship Safety: self-reflection report	13%	5,0	
TOETS07 (VT)	Criterion-based interview	Passenger Ship Safety: Presentation	12%	5,0	
TOETS08 (VT)	Assignment (individual)	Pilotage: Pilotage trip final report	7%	5,0	
TOETS09 (VT)	Speaking exam	Pilotage: oral pilotage trip	6%	5,0	
TOETS10 (VT)	Assignment (individual)	Pilotage: VTS	6%	5,0	
KEY11 (VT)	Portfolio	Pilotage: Radar Simulation	6%	5,0	
TOETS12 (VT)	Assignment (individual)	Port Logistics: report/report 1	11%	5,0	

TOETS13 (VT)	Assignment (individual)	Port Logistics: report/report 2	11%	5,0	
TOETS14 (VT)	Speaking exam	Port Logistics: Presentation with poster	3%	5,0	
KEY15 (VT)	Presentation (individual)	Project: Presentation of project results	17%	5,0	
TOETS16 (VT)	Assignment (individual)	Project: Project proposal	8%	5,0	
Practical exercise					
PRAKT-OEF1 (VT)	Practical exercise	Navigation: 75% attendance practice bridge simulator and DP			
PRAKT-OEF2 (VT)	Practical exercise	Passenger Ship Safety: 75% attendance at bridge simulator and practical lessons Passenger Ship Safety			
PRAKT-OEF3 (VT)	Practical exercise	Pilotage: 75% attendance bridge simulator and practical lessons Pilotage			

Block / Semester: S1					
Block / Semester: S2					
MI00018	Title: Offshore Renewable Energy				
Course information					
Number of credits: 30	Language: Dutch				
Course participation requirements:					
Prerequisites for participation in one or more tests:					
Concise description of course content:					
<p>The energy sources in nature are renewing constantly: every day the sun rises, the wind blows, tides move. On land, the possibilities to use these resources for the energy transition are limited, but at sea the potential is enormous. In the minor Offshore Renewable Energy you learn about the developments in renewable energy at sea. You study tidal energy as well as wind energy and gain knowledge on the complete life cycle of offshore wind farms.</p> <p>With a team of fellow students, you prepare a proposal - a so-called tender bid - for building a new offshore wind farm for a real client. You cover technical aspects such as the size of the wind turbines and foundation constructions, and the infrastructure for cables and transformer platforms. Also, you include logistical aspects such as special ships and transport facilities, as well as a financial plan. As your second group project, you can choose between these subjects: hydrogen, supply chain, and logistics management and asset management. Furthermore, you will be introduced to the use of hydrogen as a way to store energy. This is the state of the art in storage solutions and you get to follow the developments up close.</p>					
Course learning outcomes:					
<ul style="list-style-type: none"> • Explain the scope, impact and importance of offshore wind within the context of the renewable energy transition. • Apply knowledge of the full lifecycle of the design, installation, operation and maintenance on offshore wind farms. • Create a complete overview of the interdependencies of design, installation, operation and maintenance decisions on offshore wind farms within this life cycle. • Work in a multi-disciplinary and international project team. • Become familiar with different companies and jobs in the wind energy industry, both nationally and internationally. 					
Required literature: There is no required literature for this minor.					
Key data					
Key code	Form of test	Description	Weighting (%)	Bottom digit	Keys (block codes)
TOETS01 (VT)	Written knowledge test	Design & Installation 1: Written exam	8%	5,5	
TOETS02 (VT)	Written knowledge test	Logistics & Operations 1: Written exam	8%	5,5	
TOETS03 (VT)	Portfolio	Project Tender Boskalis 1: Technical Bid report + ppt	17%	5,5	
TOETS04 (VT)	Portfolio	Elective Project 1: Report + ppt	13%	5,5	
TOETS05 (VT)	Portfolio	Elective Activities 1: Registration card	4%	5,5	
TOETS06 (VT)	Written knowledge test	Design & Installation 2: Written exam	8%	5,5	

TOETS07 (VT)	Written knowledge test	Logistics & Operations 2: Written exam	8%	5,5	
TOETS08 (VT)	Portfolio	Project Tender Boskalis 2: Full Bid report + ppt	17%	5,5	
TOETS09 (VT)	Portfolio	Elective Project 2: Report + ppt	13%	5,5	
TOETS10 (VT)	Portfolio	Elective Activities 2: Registration card	4%	5,5	

Block / Semester: S1					
MI00019		Title: Architecture: Research and Innovation			
Course information					
Number of credits: 30			Language: Dutch		
Prerequisites for participation course: open only to undergraduate engineering students					
Conditions for participation in one or more tests: only open to students of the Bachelor of Architecture programme					
Brief description of course content: How can we align our operations with customer needs? Can we improve our process? Every construction company encounters a number of issues in practice. In the minor in Research and Innovation, you will conduct research for and do an internship at a company engaged in construction activities. You will work independently, show initiative and develop your research skills. A few months before the minor starts, you already take the first steps towards your research. You think about what you want to study, such as sustainability, circular building or redevelopment. Next, you approach one or more companies to see if they have an issue that fits your research interest. For example, you could research for a construction company on the causes of failure costs, or for an architect on how to design a house that facilitates sustainable behaviour by its occupants. Once your research assignment is known, you make an application for approval. If it is approved, you will be allowed to participate in the minor. You will then spend half the time working with your client and the other half on the research. You will make an action plan and choose one or more appropriate research methods, such as desk research and/or interviews. You will give two presentations on the progress of your research to your fellow students.					
Course learning outcomes:					
<ul style="list-style-type: none"> • You can draw up a plan of action. • You can conduct an investigation and draw reasoned conclusions. • You can present and report in a professional manner. • You can give and receive feedback in a constructive way. 					
Required reading:					
<ul style="list-style-type: none"> • Van Glabbeek, N. (2011). Succesvol studeren, communiceren en onderzoeken (2e druk) Pearson. ISBN 978-90-4302-328-3 • Velde, M. v., Munneke, L., Jansen, P., & Dijkers, J. (2020). Onderzoekend vermogen in de praktijk. Hilversum: Educatieve Uitgeverij Nederland (EUN) BV. ISBN: 					
Key data					
Key code	Form of test	Description	Weighting (%)	Bottom digit	Keys (block codes)
TOETS01 (VT)	Assignment (individual)	Plan of action	0%	-	
TOETS02 (VT)	Assignment (individual)	Report	50%	5,5	
TOETS03 (VT)	Presentation (individual)	Defence	50%	5,5	

Block / Semester: S1					
MI00020		Title: SME Accountancy			
Course information					
Number of credits: 30			Language: Dutch		
Course participation requirements:					
Prerequisites for participation in one or more tests:					
Concise description of course content: The minor is entitled: SME Accountancy and comprises three sections: Risk Management and Reporting, Auditing and Taxes. In the timetable, each component is taught on a fixed day (three days). In addition, one day (during some weeks) is reserved for guest lectures and further practical input. During approximately 14 weeks, the components are taught and, depending on the component, completed with a written test / research assignment / portfolio. During the last two weeks, an intensive integration assignment is undertaken by a "Big-four" firm. This culminates in an annual report and the taking of a group assessment. This intensive minor establishes a link between the Finance & Control / Business Administration study programmes and content-related programmes and the accountancy profession. However, even if you aspire to a position as a financial or business controller or manager within a financial environment, this minor will help you make progress.					
Course learning outcomes:					
<ul style="list-style-type: none"> • As general learning objectives, the following enumeration is relevant: Risk management covers a broad scoop of financial and non-financial risks faced by an entrepreneur. Supplementing the syllabus is Reporting at the level of consolidation. You will be able to compile a consolidated balance sheet and profit and loss account for a small and medium-sized legal entity and advise from there. • Auditing involves a course line where auditing principles are taught in theory and practice. Guest lectures and practical case histories are regularly used. • Taxes covers tax law in its breadth. All relevant taxes are dealt with and provided in conjunction with general business legislation. As a student, you learn to integrate the knowledge gained from the various disciplines through an intensive integration assignment that you work on in groups. 					
Mandatory literature: The owner of this minor will send the set of literature to be used before the lectures start via email.					
Key data					
Key code	Form of test	Description	Weighting (%)	Bottom digit	Keys (block codes)
TOETS01 (VT)	Portfolio	Risk management	25%	5,5	
TOETS02 (VT)	Portfolio	Auditing	25%	5,5	
TOETS03 (VT)	Written knowledge test	Taxes	25%	5,5	
TOETS04 (VT)	Portfolio	Integration order	25%	5,5	

Block / Semester: S1					
Block / Semester: S2					
MI00021A		Title: Business Analytics part I			
Course information					
Number of credits: 15			Language: English and Dutch		
Course participation requirements:					
Prerequisites for participation in one or more tests:					
Concise description of course content:					
General information					
<p>The minor focuses on individual and independent work. The starting point, therefore, is that part 2 is carried out within one's own organisation. A recent report [https://www.verdict.co.uk/importance-of-data-exasol/] states that many managers do not know the value of data and what it takes to get it out. For too long we have hoped that our own ICT department or an external consultant will be able to take care of all this for a while. Time and again, evidence has shown that this does not work. The combination of people who all understand what you can do with data, but then bring in their own expertise, turns out to be the most successful method. The minor does not make you a data scientist, but it does ensure that you can play a valuable role in the field of analytics in your organisation. This is done by using state-of-the-art tools, which are also used by many multinationals. The results can be used to predict behaviour, measure sentiment or perform A/B tests, for instance. The minor focuses on individual and independent work. The starting point is therefore that you carry out part 2 within your own.</p> <p>Business Analytics part 1: Do you want to know how data can help solve complex problems and make decisions? Then a minor in data science and Python is for you!</p> <p>During this minor, you will learn how to collect, analyse and visualise data using Python, one of the most popular programming languages in the data science community. You will learn how to use data to gain valuable insights and help companies make better decisions.</p> <p>In the first part of the minor, you will work through a Data Scientist career from DataCamp. With a portfolio that includes your reflection, the DataCamp certificate and a CRISP-DM report and Jupyter Notebook file from a final assignment, you complete this part of the course. During this block, there will be (online) inspiration sessions and a process supervisor will keep a finger on the pulse.</p> <p>In a world where data plays an increasing role, it is important to have the skills to understand and use this data. A minor in data science and Python will increase your job opportunities and allow you to contribute to innovative projects in various sectors.</p>					
Course learning outcomes:					
In this course, you will work through a Data Scientist career track (R or Python) from an online learning platform. You will also be given a number of assignments, in which you have to apply the techniques taught.					
Learning objectives					
<ul style="list-style-type: none"> You know what ways there are to collect or obtain data. You know which tools and methods are necessary for data analysis. You can visualise data in an attractive and compelling way. You can transform practical questions into a data analysis approach and implement it You can function as a professional in the environment where you see opportunities and possibilities to realise improvement rings in professional practice. You know the ethical issues in this field. 					
Compulsory literature: No compulsory literature					
Key data					
Key code	Form of test	Description	Weighting (%)	Bottom digit	Keys (block codes)
KEY (DT)	Portfolio	Portfolio part 1	100%	5,5	

Block / Semester: S1					
Block / Semester: S2					
MI00021B		Title: Business Analytics part II			
Course information					
Number of credits: 15			Language: English and Dutch		
Course participation requirements:					
Prerequisites for participation in one or more tests:					
Concise description of course content:					
<p>The minor focuses on individual and independent work. The starting point, therefore, is that part 2 is carried out within one's own organisation.</p> <p>A recent report [https://www.verdict.co.uk/importance-of-data-exasol/] states that many managers do not know the value of data and what it takes to get it out. For too long we have hoped that our own ICT department or an external consultant will be able to take care of all this for a while. Time and again evidence has shown, that this does not work. The combination of people who all understand what you can do with data, but then bring in their own expertise, appears to be the most successful method. The minor does not make you a data scientist, but it does ensure that you can play a valuable role in the field of analytics in your organisation. This is done by using state-of-the-art tools, which are also used by many multinationals. The results can be used to predict behaviour, measure sentiment or perform A/B tests, for instance. The minor focuses on individual and independent work. The starting point is therefore that part 2 can be carried out within one's own.</p> <p>Business Analytics part 2:</p> <p>In the second part of the minor, you determine an assignment within your chosen organisation and work out the issue according to the CRISP-DM cycle. In doing so, you will arrive at a data product that matches the question. This could, for instance, be a working predictive model, a report based on your data analysis, or an interactive dashboard with real-time data. Most likely, you will need to delve further into specific techniques and/or algorithms to complete the task successfully. In doing so, do not be disappointed if 80% of the time is used to get, clean up, supplement or edit the data. As in part 1 of the minor, you complete the course with a portfolio in which you include reflections and your elaborations of the assignment. There will also be (online) inspiration sessions during this block and a process supervisor will keep a finger on the pulse.</p>					
Course learning outcomes:					
<p>In this course, you will work through a Data Scientist career track (R or Python) from an online learning platform. You will also be given a number of assignments in which you have to apply the techniques you have learned.</p> <p>Learning objectives</p> <ul style="list-style-type: none"> You know what ways there are to collect or obtain data. You know which tools and methods are necessary for data analysis. You can visualise data in an attractive and compelling way. You can transform practical questions into a data analysis approach and implement it You can function as a professional in the environment where you see opportunities and possibilities to realise improvement rings in professional practice. You know the ethical issues in this field. 					
Compulsory literature: No compulsory literature					
Key data					
Key code	Form of test	Description	Weighting (%)	Bottom digit	Keys (block codes)
KEY (DT)	Portfolio	Portfolio part 2	100%	5,5	

Block / Semester: S1					
Block / Semester: S2					
MI00022	Title: Leadership in the 21st century				
Course information					
Number of credits: 30	Language: Dutch				
Course participation requirements:					
Prerequisites for participation in one or more tests:					
Concise description of course content:					
<p>With good leadership, you can be of great significance. For the people you work with, but also for a sustainable world. During the minor in Leadership in the 21st century, you will learn how to build positive change as a leader. You develop your leadership skills and get to know your personal leadership profile. Not for quick success, but for lasting significance.</p> <p>During the minor, you will strengthen your skills through practical assignments and attending (guest) classes, inspiration sessions and workshops. For instance, in the field of personal leadership, meaning, conversation techniques, positive influence and energy management. Innovative and creative thinking also plays an important role. All themes tie in with the idea of regenerative leadership. The focus here is not on making profit, but on making a positive difference to your environment. You yourself are also central during the minor. Through feedback sessions and self-examination, you get to know your own leadership profile. You learn to use your strengths, recognise pitfalls and adapt your leadership style accordingly.</p> <p>After completing the minor, you will have broad knowledge about sustainable leadership. You possess key leadership skills, applied to your personality. This knowledge will help you make a positive difference in every situation.</p>					
Course learning outcomes:					
<ul style="list-style-type: none"> • You understand how your traits and personality influence your leadership style. • You know how to use your strengths effectively. • You possess key leadership skills to lead yourself and others. • You have a deep understanding of organisational, societal and environmental challenges and incorporate this into your leadership role. • Together with others, you come up with innovative and sustainable solutions that contribute to the Sustainable Development Goals. 					
Required reading:					
<ul style="list-style-type: none"> • Covey, S. (2019). De zeven eigenschappen van effectief leiderschap. Amsterdam: Business Contact. • Hutchins, G. & Storm, L (2019). Regenerative Leadership, the DNA of life-affirming 21st century organizations. Kent: Wordzworth Publishing. 					
Key data					
Key code	Form of test	Description	Weighting (%)	Bottom digit	Keys (block codes)
TOETS01 (VT)	Portfolio	Portfolio	100%	5,5	

Block / Semester: S1					
Block / Semester: S2					
MI00023A	Title: Entrepreneurship part 1				
Course information					
Number of credits: 15	Language: Dutch				
Course participation requirements:					
Prerequisites for participation in one or more tests:					
Concise description of course content: In the first and second semester of each school year, HZ University of Applied Sciences offers the Innovative Entrepreneurship minor in cooperation with Dockwize, the innovation hub for entrepreneurship and innovation in Zeeland. This minor consists of two 10-week blocks (=15 ECTS per block). After 10 weeks, you complete your Skills programme and must choose between two follow-up programmes. Students who want to pursue their own business can choose the Kickstart programme. Students who prefer to collaborate with large organisations can choose the Entrepreneurship programme.					
Course learning outcomes: Starting and running your own business (project) by:					
<ul style="list-style-type: none"> • Creating your business plan (project plan) • Implementing and adapting your business plan (project plan). • Successfully executing a business plan (project plan). 					
Required reading:					
<ul style="list-style-type: none"> • Ries, E., & Eric, R. (2017). The Lean Startup (1st edition). Penguin Random House. • Fitzpatrick, R. (2013). De Moedertest. Uitgeverij Van Haren. • Osterwalder, A., Pigneur, Y., Bernarda, G., Smith, A., & Papadacos, T. (2015). Ontwerp van waardeproposities. Wiley. • Osterwalder, A., & Pigneur, Y. (2018). Business model generatie. Voorjaar 2015. • StrengthFinder From Gallup – Ontdek je sterke punten van Tom Rath ISBN9789000361472 					
Key data					
Key code	Form of test	Description	Weighting (%)	Bottom digit	Keys (block codes)
TOETS01 (VT)	Assignment (individual)	Business plan	60%	5,5	
TOETS02 (VT)	Presentation (individual)	Pitch	40%	5,5	

Block / Semester: S1					
Block / Semester: S2					
MI00023B		Title: Entrepreneurship part 2			
Course information					
Number of credits: 15			Language: Dutch		
Course participation requirements:					
Prerequisites for participation in one or more tests:					
Concise description of course content: In the first and second semester of each school year, HZ University of Applied Sciences offers the Innovative Entrepreneurship minor in cooperation with Dockwize, the innovation hub for entrepreneurship and innovation in Zeeland. This minor consists of two 10-week blocks (=15 ECTS per block). After 10 weeks, you complete your Skills programme and must choose between two follow-up programmes. Students who want to pursue their own business can choose the Kickstart programme. Students who prefer to collaborate with large organisations can choose the Intrapreneurship programme.					
Course learning outcomes: Starting and running your own business (project) by: <ul style="list-style-type: none"> • Creating your business plan (project plan) • Implementing and adapting your business plan (project plan). • Successfully implementing a business plan (project plan). 					
Required reading: <ul style="list-style-type: none"> • Ries, E., & Eric, R. (2017). The Lean Startup (1st edition). Penguin Random House. • Fitzpatrick, R. (2013). De Moedertest. Uitgeverij Van Hare. • Osterwalder, A., Pigneur, Y., Bernarda, G., Smith, A., & Papadacos, T. (2015). Ontwerp van waardeproposities. Wiley. • Osterwalder, A., & Pigneur, Y. (2018). Business model generatie. Spring 2015. • StrengthFinder From Gallup - Discover your strengths by Tom Rath ISBN9789000361472 					
Key data					
Key code	Form of test	Description	Weighting (%)	Bottom digit	Keys (block codes)
TEST (VT)	Portfolio	Personal Progress Portfolio	100%	5,5	

Block / Semester: S1					
MI00027		Title: Applied AI and Ethics			
Course information					
Number of credits: 30			Language: English		
Course participation requirements:					
Prerequisites for participation in one or more tests:					
Concise description of course content: Self-driving cars, facial recognition, scanning tissues for cancer cells, voice assistants and chatGPT. AI is everywhere. And there is a growing desire in all fields to make use of it. But how do we ensure that technology positively affects our society? With the minor Applied AI and Ethics, you will learn about technology behind AI and to ask yourself the right questions about how we safeguard people's privacy, freedom and safety, for example.					
The positive and negative side of AI AI is the part of computer science that deals with the development of machines that respond in human fashion. The list of things a computer can now do as well or better than a human continues to grow at a rapid pace. The possibilities are endless. Both positive and negative. AI can contribute to innovation and efficiency in various sectors, can perform complex tasks and process large amounts of data. On the other hand, there are concerns about privacy, possible discrimination by algorithms (think of the Benefits Affair), the development of independent arms and the disappearance of jobs.					
Have your say on safe artificial intelligence Regulations, ethical guidelines and talking to each other are incredibly important to ensure that Ai is developed and applied in a safe way. Not only on a global level, but also on a European and national level. Actually down to your own classroom. Are you thinking about artificial intelligence as a professional of the future? Then apply for the new Applied Ai and Ethics minor.					
Course learning outcomes:					
- Connection between AI philosophy and ethics and your (future) profession You are able to apply AI, philosophy and ethics to situations in your future profession.					
- Engaging in philosophical and ethical conversations about AI You will learn to communicate about complex, ethical AI issues.					
- Online learning: the ethics of AI You understand why there are concerns about the ethical use and development of artificial intelligence. You are able to apply theory in the field of ethics					
- Technology You understand the potential and limitations of the technology behind Ai. You are able to decide when and when not to use it and know how to deploy it properly in a legal and ethical manner.					
- Run a project on AI - data engineering and ethics You know how to use and integrate ethics in all phases of the AI and data engineering project.					
Compulsory literature: No compulsory literature					
Key data					
Key code	Form of test	Description	Weighting (%)	Bottom digit	Keys (block codes)
TOETS01 (VT)	Portfolio	Criterion-oriented interview (CGI) based on portfolio	100%	5,5	

Block / Semester: S2					
MI00028		Title: Psychology in Practice			
Course information					
Number of credits: 30			Language: Dutch		
Course participation requirements:					
Prerequisites for participation in one or more tests:					
Concise description of course content:					
<p>In almost every profession, you have to deal with people's behaviour. Think of colleagues, patients, clients, pupils or parents. It is valuable to know how people behave, what mental risk factors there are and how you can influence behaviour in a positive way. With the minor Psychology in Practice, you get the chance to learn more in the field of (positive) psychology and about yourself as a professional.</p>					
Self-confident professional					
<p>As a professional in health, education and social care, it is important to know yourself well. When you discover who you are and what you are good at, you lay a good foundation for helping others. That is why during this minor, you take centre stage and become aware of your influence on relationships with others. In addition, you learn to recognise your mental health and weaknesses. You will experience how various tools from, among others, positive psychology can contribute to mental health, with a focus on what someone can do. Positive thinking can help people cope better with setbacks, pain or sadness. It contributes to resilience, improves work performance and reduces absenteeism. You learn how to use this psychological knowledge and experience to help others.</p>					
Course learning outcomes:					
<ul style="list-style-type: none"> • Self-awareness You know who you are, understand your emotions and are aware of your strengths and pitfalls. And you use all this to work well with others. • (H) recognition You understand how people think and have basic knowledge of psychology. You have professional skills and rely on your gut to fathom how others behave emotionally, mentally and socially. • Positive psychology You are good at researching and finding solutions. You use psychology in this way to bring about (positive) change in people. 					
Required literature: For this minor, it is not currently known what literature will be used. Students applying for this one will be informed.					
Key data					
Key code	Form of test	Description	Weighting (%)	Bottom digit	Keys (block codes)
Information review to follow					

Block / Semester: S1					
Block / Semester: S2					
MI00029.1A		Title: HZ Studio 1 Design Thinking Track			
Course information					
Amount of study credits: 15			Language: Dutch English		
Conditions for course participation:					
Conditions for test participation:					
Brief description of course content: In the HZ Studio - The Garage, students team up with students and other stakeholders from different backgrounds to work on projects that will help Zeeland move forward. They use the design thinking method through our own toolkit 'Road to Regeneration'. We offer an inspiring community with fun social activities. At The Garage, students do not work for a client but with one: co-creation and collaborative learning are encouraged and expected.					
Course learning outcomes:					
<ul style="list-style-type: none"> • You use the recognized opportunities to experiment with different perspectives and worldviews, take responsibility for your own decisions and behavior, put effort in getting to know yourself better and carry out activities (related to 21st century skills) that help you grow as a person and as a professional. • You contribute to a collaborative environment in which everybody feels at ease to share thoughts and opinions. Time is invested to get to know and understand stakeholders, also since using the various backgrounds and perspectives truly by crossing boundaries, benefits to the project output and process. • You synthesize the assigned project(s) to the process of design thinking, use our 'Road to Regeneration' design thinking toolkit for the stages, and share the output in a clear manner. You understand the application and contribution of tools, as well as the importance of applied research within. Consequently, you collect, analyze and use relevant research data during the design period. 					
Compulsory literature:					
Assessment information					
Test code	Assessment type	Assessment description	Weighting Factor (%)	Minimum score	Test opportunities (block codes)
TOETS01 (VT)	Presentation (individual)	Individual Update	30%	5.5	
TOETS02 (VT)	Portfolio	Contribution to co-creation	40%	5.5	
TOETS03 (VT)	Assignment (group)	Design thinking milestone package	30%	5.5	

Block / Semester: S1					
Block / Semester: S2					
MI00029.1B	Title: HZ Studio 1 Design Thinking Track 10,5 ECTS				
Course information					
Amount of study credits: 10.5	Language: Dutch English				
Conditions for course participation:					
Conditions for test participation:					
Brief description of course content: In the HZ Studio - The Garage, students team up with students and other stakeholders from different backgrounds to work on projects that will help Zeeland move forward. They use the design thinking method through our own toolkit 'Road to Regeneration'. We offer an inspiring community with fun social activities. At The Garage, students do not work for a client but with one: co-creation and collaborative learning are encouraged and expected.					
Course learning outcomes:					
<ul style="list-style-type: none"> You use the recognized opportunities to experiment with different perspectives and worldviews, take responsibility for your own decisions and behavior, put effort in getting to know yourself better and carry out activities (related to 21st century skills) that help you grow as a person and as a professional. You contribute to a collaborative environment in which everybody feels at ease to share thoughts and opinions. Time is invested to get to know and understand stakeholders, also since using the various backgrounds and perspectives truly by crossing boundaries, benefits to the project output and process. 					
Compulsory literature:					
Assessment information					
Test code	Assessment type	Assessment description	Weighting Factor (%)	Minimum score	Test opportunities (block codes)
TOETS01 (VT)	Presentation (individual)	Individual Update	40%	5.5	
TOETS02 (VT)	Portfolio	Contribution to co-creation	60%	5.5	

Block / Semester: S1					
Block / Semester: S2					
MI00029.1C	Title: HZ Studio 1 Design Thinking Track 6 ECTS				
Course information					
Amount of study credits: 6			Language: Dutch English		
Conditions for course participation:					
Conditions for test participation:					
Brief description of course content: In the HZ Studio - The Garage, students team up with students and other stakeholders from different backgrounds to work on projects that will help Zeeland move forward. They use the design thinking method through our own toolkit 'Road to Regeneration'. We offer an inspiring community with fun social activities. At The Garage, students do not work for a client but with one: co-creation and collaborative learning are encouraged and expected.					
Course learning outcomes:					
<ul style="list-style-type: none"> You contribute to a collaborative environment in which everybody feels at ease to share thoughts and opinions. Time is invested to get to know and understand stakeholders, also since using the various backgrounds and perspectives truly by crossing boundaries, benefits to the project output and process. 					
Compulsory literature:					
Assessment information					
Test code	Assessment type	Assessment description	Weighting Factor (%)	Minimum score	Test opportunities (block codes)
TOETS01 (VT)	Portfolio	Contribution to co-creation	100%	5.5	

Block / Semester: S2					
MI00029.2A		Title: HZ Studio 2 Design Thinking Track			
Course information					
Amount of study credits: 15			Language: Dutch English		
Conditions for course participation:					
Conditions for test participation:					
Brief description of course content: In the HZ Studio - The Garage, students team up with students and other stakeholders from different backgrounds to work on projects that will help Zeeland move forward. They use the design thinking method through our own toolkit 'Road to Regeneration'. We offer an inspiring community with fun social activities. At The Garage, students do not work for a client but with one: co-creation and collaborative learning are encouraged and expected.					
Course learning outcomes:					
<ul style="list-style-type: none"> • You use the recognized opportunities to experiment with different perspectives and worldviews, take responsibility for your own decisions and behavior, put effort in getting to know yourself better and carry out activities (related to 21st century skills) that help you grow as a person and as a professional. • By contributing to a collaborative environment, you put in effort so that others feel at ease to share thoughts and opinions. Invested time guarantees that you have got to know and understand stakeholders. Furthermore, you stimulate this since use of various backgrounds and perspectives truly by boundary crossing benefits the project output and process. • You synthesize the assigned project(s) to the process of design thinking, use our 'Road to Regeneration' design thinking toolkit for the stages, but are not limited by it and add tools and steps whenever necessary and possible. You share the output in a clear manner. You understand the application and contribution of tools, as well as the importance of applied research within. Consequently, you collect, analyze and use relevant research data during the design period, so also during development and delivery stages. 					
Compulsory literature:					
Assessment information					
Test code	Assessment type	Assessment description	Weighting Factor (%)	Minimum score	Test opportunities (block codes)
TOETS01 (VT)	Portfolio	Individual Showcase	30%	5.5	
TOETS02 (VT)	Portfolio	Contribution to co-creation	40%	5.5	
TOETS03 (VT)	Assignment (group)	Design thinking milestone package	30%	5.5	

Block / Semester: S2					
MI00029.2B		Title: HZ Studio 2 Design Thinking Track 10,5 ECTS			
Course information					
Amount of study credits: 10.5			Language: Dutch English		
Conditions for course participation:					
Conditions for test participation:					
Brief description of course content: In the HZ Studio - The Garage, students team up with students and other stakeholders from different backgrounds to work on projects that will help Zeeland move forward. They use the design thinking method through our own toolkit 'Road to Regeneration'. We offer an inspiring community with fun social activities. At The Garage, students do not work for a client but with one: co-creation and collaborative learning are encouraged and expected.					
Course learning outcomes:					
<p>By contributing to a collaborative environment, you put in effort so that others feel at ease to share thoughts and opinions. Invested time guarantees that you have got to know and understand stakeholders. Furthermore, you stimulate this since use of various backgrounds and perspectives truly by boundary crossing benefits the project output and process.</p> <ul style="list-style-type: none"> • You use the recognized opportunities to experiment with different perspectives and worldviews, take responsibility for your own decisions and behavior, put effort in getting to know yourself better and carry out activities (related to 21st century skills) that help you grow as a person and as a professional. • 					
Compulsory literature:					
Assessment information					
Test code	Assessment type	Assessment description	Weighting Factor (%)	Minimum score	Test opportunities (block codes)
TOETS01 (VT)	Portfolio	Individual Showcase	40%	5.5	
TOETS02 (VT)	Portfolio	Contribution to co-creation	60%	5.5	

Block / Semester: S2					
MI00029.2C		Title: HZ Studio 2 Design Thinking Track 6 ECTS			
Course information					
Amount of study credits: 6			Language: Dutch English		
Conditions for course participation:					
Conditions for test participation:					
Brief description of course content: In the HZ Studio - The Garage, students team up with students and other stakeholders from different backgrounds to work on projects that will help Zeeland move forward. They use the design thinking method through our own toolkit 'Road to Regeneration'. We offer an inspiring community with fun social activities. At The Garage, students do not work for a client but with one: co-creation and collaborative learning are encouraged and expected.					
Course learning outcomes:					
<ul style="list-style-type: none"> • By contributing to a collaborative environment, you put in effort so that others feel at ease to share thoughts and opinions. Invested time guarantees that you have got to know and understand stakeholders. Furthermore, you stimulate this since use of various backgrounds and perspectives truly by boundary crossing benefits the project output and process. 					
Compulsory literature:					
Assessment information					
Test code	Assessment type	Assessment description	Weighting Factor (%)	Minimum score	Test opportunities (block codes)
TOETS01 (VT)	Portfolio	Contribution to co-creation	100%	5.5	

Block / Semester: S1					
Block / Semester: S2					
MI00030.1		Title: HZ Studio 1 Applied Research Track			
Course information					
Amount of study credits: 15			Language: Dutch English		
Conditions for course participation:					
Conditions for test participation:					
Brief description of course content: In the HZ Studio - The Garage, students work in teams with students and other stakeholders from different backgrounds on research that will help Zeeland move forward. In doing so, they use the principles of practice-based research. We offer an inspiring community with fun social activities. At The Garage, students do not work for a client but with one: collaborative learning is encouraged and expected. Translated with DeepL.com (free version)					
Course learning outcomes:					
<ul style="list-style-type: none"> You use the recognized opportunities to experiment with different perspectives and worldviews, take responsibility for your own decisions and behavior, put effort in getting to know yourself better and carry out activities (related to 21st century skills) that help you grow as a person and as a professional. You contribute to a collaborative environment where time is invested to understand stakeholders, also since using the existing expertise and perspectives truly benefits the project output and process. You synthesize the assigned project(s) to the process of applied research by using our applied research phases, focusing on 'Preparation' and 'Stimulation' and share the output in a clear manner. You understand the application and contribution of theories and models, as well as the importance of applied research within. Consequently, you prepare, collect and use relevant research data during this part of the minor. 					
Compulsory literature:					
Assessment information					
Test code	Assessment type	Assessment description	Weighting Factor (%)	Minimum score	Test opportunities (block codes)
TOETS01 (VT)	Presentation (individual)	Individual update	30%	5.5	
TOETS02 (VT)	Portfolio	Contribution to collaboration	20%	5.5	
TOETS03 (VT)	Assignment (individual)	Applied research milestone package	50%	5.5	

Block / Semester: S2					
MI00030.2		Title: HZ Studio 2 Applied Research Track			
Course information					
Amount of study credits: 15			Language: Dutch English		
Conditions for course participation:					
Conditions for test participation:					
Brief description of course content: In the HZ Studio - The Garage, students work in teams with students and other stakeholders from different backgrounds on research that will help Zeeland move forward. In doing so, they use the principles of practice-based research. We offer an inspiring community with fun social activities. At The Garage, students do not work for a client but with one: collaborative learning is encouraged and expected. Translated with DeepL.com (free version)					
Course learning outcomes:					
<ul style="list-style-type: none"> You use the recognized opportunities to experiment with different perspectives and worldviews, take responsibility for your own decisions and behavior, put effort into getting to know yourself better and carry out activities (related to 21st century skills) that help you grow as a person and as a professional. By contributing to a collaborative environment, you put in effort to generate and share knowledge. Invested time guarantees that you have got to know and understand stakeholders. Furthermore, you stimulate this since using existing expertise and perspectives benefits the project output and process. You synthesize the assigned projects to the process of applied research by using our applied research phases, focusing on 'Validation' and 'Finalization' and share the output in a clear manner. You understand the application and contribution of theories and models as well as the importance of applied research within. Consequently, you analyze, interpret, report, and share relevant research data during this part of the minor. 					
Compulsory literature:					
Assessment information					
Test code	Assessment type	Assessment description	Weighting Factor (%)	Minimum score	Test opportunities (block codes)
TOETS01 (VT)	Portfolio	Individual Showcase	30%	5.5	
TOETS02 (VT)	Portfolio	Contribution to collaboration	20%	5.5	
TOETS03 (VT)	Assignment (individual)	Applied research milestone package	50%	5.5	

Block / Semester: S2					
MI00031		Title: Nuclear Technology			
Course information					
Amount of study credits: 30			Language: English		
Conditions for course participation:					
Conditions for test participation:					
Brief description of course content: The Minor Nuclear Technology (NUT) provide students the basic knowledge of nuclear reactors and nuclear science. The course focuses on three primary elements, nuclear hygiene, fundamentals of nuclear theory, and nuclear industry. The course begins with students participating in an external nuclear hygiene course in which they will receive a TMS-D certificate. The course continues into the fundamentals of nuclear theory focused primarily on pressurized light water reactors, before wrapping up with discussions of operations, safety, accidents, and regulatory bodies. The course concludes with a IHouse of Commons debate over the merits and pitfalls of nuclear reactors and their role in power generation and energy transition.					
Course learning outcomes: Learning goals minor NUT: 1. Showing an inquisitive attitude in the nuclear debate Pt 1 You show an inquisitive attitude Lg 1 You contribute to improving the nuclear debate with your professional attitude Pt 2 You make use of expertise and knowledge Lg 2 You can find, analyse and apply associated knowledge and expertise 2. Leveraging nuclear expertise and knowledge Pt 1 You make use of nuclear expertise and knowledge Lg 1 You can find, analyse and apply associated knowledge and expertise 3. Contribute to a joint investigative approach to the nuclear debate Pt 3 You contribute ethical in the nuclear debate with supporters and opponents Lg 3.1 You can contribute to the debate by looking at and understanding it from different perspectives Lg 3.2 You can contribute to the methodical interpretation of nuclear developments and their significance for the region Lg 3.3 You can share and secure the results of research in a structured way					
Compulsory literature:					
Assessment information					
Test code	Assessment type	Assessment description	Weighting Factor (%)	Minimum score	Test opportunities (block codes)
TOETS (VT)	Portfolio	Portfolio	100%	5.5	

ANNEX 1 CHECKLIST REQUEST EXTERNAL MINOR TO DEPARTMENTAL EXAMINATION BOARD

අන්තර්ගතය පිරවීමට සූදානම් කර ගන්න. පිරවීමට පෙර පිටපත් කර ගන්න.

To be completed and signed by the SCC, to be uploaded along with the request by the student.



UNIVERSITY OF APPLIED SCIENCES

අන්තර්ගතය පිරවීමට සූදානම් කර ගන්න. පිරවීමට පෙර පිටපත් කර ගන්න.

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