

### Guide for incoming students from partner universities

#### Welcome

The University of Applied Forest Sciences Rottenburg (HFR) is modern, innovative and practically oriented. Straightforward decision pathways and interdisciplinary teamwork is characteristic. Students enjoy the pleasant atmosphere and the personal collegiality. The educational content of the degrees is oriented around the demands of the job market for leaders. The HFR offers multidisciplinary solutions for development in the areas of forestry, timber industry, nature and environmental protection, landscape planning and water management. The material and energetic utilisation of (forest-) biomass, dealing with water as a limited resource, as well as taking part in international development collaborations are all of fundamental importance.

If you will need more information or help, please contact our Erasmus Coordinator or visit our website (International Office).

We hope you will enjoy your time in Rottenburg at the University of Applied Sciences.

## ECTS Information Guide

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### European Credit Transfer System – ECTS

ECTS makes study programmes easy to read and comparable for all students, local and foreign. It helps universities to organise and revise their study programmes.

The components of ECTS are:

**ECTS Information Package** concerning the information on courses available.

**Learning agreement** between the home and the host institution establishing the programme of study to be taken.

**ECTS Credits** to indicate the student's workload, based on the principle that 60 credits measure the workload of a full-time student during one academic year.

**Transcript of records**, which shows the students learning achievements in a way which is commonly understood and easily transferable from one institution to another.

## ECTS Information Guide

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### Institutional Information

Mailing Address:	Hochschule für Forstwirtschaft Rottenburg - HFR University of Applied Forest Sciences Schadenweilerhof 72108 Rottenburg a. N. Germany Phone: ++49(0) 7472-951-0 Fax: ++49-(0) 7472-951-200 E-Mail: <a href="mailto:hfr@hs-rottenburg.de">hfr@hs-rottenburg.de</a> <a href="http://www.hs-rottenburg.de">http://www.hs-rottenburg.de</a>
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ERASMUS Institutional Coordinator	Corinna Klett Phone: ++ 49 (0) 7472 951-208 E-Mail: <a href="mailto:corinna.klett@hs-rottenburg.de">corinna.klett@hs-rottenburg.de</a>
Incoming students	Tanja Muench Phone: ++49 (0) 7472 951-285 E-Mail: <a href="mailto:muench@hs-rottenburg.de">muench@hs-rottenburg.de</a>
Student administration	Simone Herrmann Phone: ++ 49 (0) 7472 951-225 E-Mail: <a href="mailto:Simone.Herrmann@hs-rottenburg.de">Simone.Herrmann@hs-rottenburg.de</a>
ERASMUS Code EUC Number	D ROTTENB01 28622

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### ERASMUS Departmental Coordinators

Applied Wood Technology	Dipl.-Ing. (FH) Hubert Binder	<a href="mailto:binder@hs-rottenburg.de">binder@hs-rottenburg.de</a>
Renewable Energy	Prof. Dr. Martin Brunotte	<a href="mailto:brunotte@hs-rottenburg.de">brunotte@hs-rottenburg.de</a>
Forest Sciences	Prof. Stefan Ruge	<a href="mailto:ruge@hs-rottenburg.de">ruge@hs-rottenburg.de</a>
Water Resource Management	Prof. Dr. Matthias Friedle	<a href="mailto:friedle@hs-rottenburg.de">friedle@hs-rottenburg.de</a>
Sustainable Regional Management	Prof. Dr. Steffen Abele	<a href="mailto:abele@hs-rottenburg.de">abele@hs-rottenburg.de</a>
Resource-efficient Building	Dipl.-Pol. Andreas Henneka	<a href="mailto:henneka@hs-rottenburg.de">henneka@hs-rottenburg.de</a>
SENCE	Dipl.-Ing. (FH) Anja Hoh	<a href="mailto:hoh@hs-rottenburg.de">hoh@hs-rottenburg.de</a>

### Academic year

The academic year is divided into two semesters with the following term dates:

**Winter semester**                      01 September to 28 February  
lectures                                      First Monday in October to 31 January  
exam    in February

**Summer semester**                      01 March to 31 August  
lectures                                      second Monday in March to first week in July  
exam    in July and first week in August

### Study Programmes

The Bachelor degrees at the HFR take 7 semesters (3,5 years) and the Master degrees take 4 semesters (2 years).

#### BSc-level studies

- Applied Wood Technology
- Renewable Energy
- Forest Sciences
- Water Resource Management
- Sustainable Regional Management

#### MSc-level studies

- Resource-efficient Building
- SENCE - Sustainable Energy Competence

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### Application

#### Deadlines

Applied Wood Technology  
Renewable Energy  
Forest Sciences  
Resource Management Water  
Sustainable Regional Management  
**1<sup>st</sup> of June** for the Wintersemester  
**1<sup>st</sup> of November** for the Summersemester

Resource-efficient Building  
SENCE Sustainable Energy Competence:  
For EU citizens **1<sup>st</sup> of June**.  
For non-EU citizens **15<sup>th</sup> of April**.

#### Applying

In order to apply to Rottenburg University as an Erasmus student you need to have been nominated for the Erasmus exchange with our University by your Erasmus Coordinator at home. "Student Application Form" and "Learning Agreement" can be downloaded on the website:

[www.hs-rottenburg.de](http://www.hs-rottenburg.de) (>>International/Incoming)

#### Completing the Learning Agreement

The Learning Agreement is a part of your application. You have to discuss with the coordinator at your home university which courses/modules you should take at Rottenburg University.

To complete the Learning Agreement you need an overview of available courses. You will find the courses and modules in the "Study and examination regulations" on the homepage:

[https://www.hs-rottenburg.net/fileadmin/user\\_upload/Studiengaenge/alle/Modulhandbuecher-StuPo/StuPO\\_Bachelor\\_27-06-2014.pdf](https://www.hs-rottenburg.net/fileadmin/user_upload/Studiengaenge/alle/Modulhandbuecher-StuPo/StuPO_Bachelor_27-06-2014.pdf)

Please complete the "Student Application Form" and the "Learning Agreement" and send both with 2 passport photos and a Curriculum Vitae by e-mail to

[corinna.klett@hs-rottenburg.de](mailto:corinna.klett@hs-rottenburg.de)

or

by regular mail to

Hochschule für Forstwirtschaft Rottenburg, International Office, Corinna Klett, Schadenweilerhof, 72108 Rottenburg, Germany

### Administration/Enrolment

#### Before arrival

After the students received their acknowledgement as an ERASMUS student from the ERASMUS coordinator at the HFR, the following should be done before departure:

- The students acknowledge to the ECTS coordinator, that they accept the position as „Incoming Student“.
- Please get a European Health Insurance Card (EHIC) at your health insurance.

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### Arrival, Registration and Enrolment

Students have to register after arrival at the student administration office (Studierendenverwaltung).

Documents that you need for the registration:

- Confirmation of health insurance
  - EU-citizens: A European Health Insurance Card (EHIC) (Europäische Versicherungskarte) or Certificate, International Health Insurance which must be valid for the complete duration. EU students can ask their national health insurance companies for an EHIC card.
  - Non EU-citizens: Must bring full documentary evidence of health insurance or have to purchase a student health policy here
- Document of identification of your home university
- Proof that you transferred the administration charge (approximately 140,00 Euro per semester)
- A valid passport
- 2 passport photos

You have to pay the administration charge for the “Studentenwerk”, after that you will get your student card (Studentenausweis) which entitles you to various discounts (Cinema tickets, public transport, etc.). The student card is also an university library user card. Once you have been formally registered as a student an e-mail address will be issued to you.

### Registration at the town hall

Students (EU citizens only) have to register as a resident at the Town Hall in Rottenburg, at the “Bürgerbüro” or at the “Bürgeramt” Tübingen, for those who live in Tübingen for example at the Studentenwohnheim (dorm).

Non EU citizens have to register at the Town Hall for a residence permit.

Documents you need:

- Registration/Enrolment form
- Passport

Opening times Bürgerbüro Rottenburg, Am Marktplatz 18, building A, Foyer, room A001:

Monday, Tuesday,	7.30 am – 16.00 pm
Wednesday	7.30 am – 12.00 am
Thursday	7.30 am – 18.00 pm
Friday	7.30 am – 12.00 pm
Saturday	9.00 am – 12.00 pm
Phone: ++ 49 (0) 7472-165-444	
E-Mail: <a href="mailto:buengerbuero@rottenburg.de">buengerbuero@rottenburg.de</a>	

Opening times Bürgeramt der Universitätsstadt Tübingen, Schmiedtorstr. 4:

Monday, Wednesday, Friday	7.30 am – 13.00 pm
Tuesday, Thursday	7.30 am – 18.00 pm
Phone: ++49 (0) 7071-204-2020	
E-Mail: <a href="mailto:buergerdienste@tuebingen.de">buergerdienste@tuebingen.de</a>	

### Residence permit

Students with an EU citizenship do not need a visa for Germany. Students who intend to stay longer than 3 month in Germany, are required to get a residence permit at the “Bürgerbüro” (department of foreign affairs) in the town hall of Rottenburg.

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Non EU citizens are obliged to have a visa for the entry into Germany. The visa can be obtained in the German embassy or consulate in the home country.

### Language Courses

There is no placement test to evaluate the knowledge of German language for the ERASMUS students. It is expected that the students have general knowledge (B1) of the German language when they arrive. All classes are held in German.

A pre-semester language course for incoming students will be offered in September (3 weeks.)

### Accommodation

The student-residence maintained by the Studentenwerk Tuebingen-Hohenheim (Student Housing Authority) is located down town. Prices range between 230,00 and 260,00 € per month for a single room.

More information and application for student-residences via online application form on the website [http://www.my-stuwe.de/cms/front\\_content.php?idart=223](http://www.my-stuwe.de/cms/front_content.php?idart=223)

There is also a list available with addresses for private rentals (prices range between 150,00 € to 250,00 € per month) in the closer environment: For more information please contact:

Helga Schad by mail: [schad@hs-rottenburg.de](mailto:schad@hs-rottenburg.de)

If you need any help, please contact the International Office: [corinna.klett@hs-rottenburg.de](mailto:corinna.klett@hs-rottenburg.de) or [muench@hs-rottenburg.de](mailto:muench@hs-rottenburg.de)

### Teaching Facilities

<b>Aquatic field station</b>	For teaching purposes, the HFR can use an area of several kilometres along the Neckar River near Rottenburg (Grayling/Barbel fish area).
<b>Arboretum</b>	Within the approximately 2.5 hectares campus of Schadenweilerhof are 220 informatively labelled tree and shrub species.
<b>Central Laboratory</b>	The central laboratory is utilized for project, bachelor and masters research work and is also used for teaching demonstrations. Solid combustion material and water quality can be analysed, exhaust gases investigated and wood properties tested.
<b>Hunting training</b>	The University has a 1.2 hectare hunting reserve available for teaching and hunting practice.
<b>Library</b>	35.000 Media units - one of the most modern forest-scientific libraries in Germany.
<b>Research forest</b>	2.5 hectares of bordering communal forest mixed stands with most of the forest types and tree species of middle Europe; site conditions are exemplary for the south west part of Germany.



## ECTS Information Guide

### Partner Universities

<b>Austria</b>	Fachhochschulstudiengänge Burgenland GmbH
<b>Belgium</b>	Hogeschool PXL – University College
<b>Brazil</b>	Pontificia Universidade Catolica do Rio Grande do Sul (PUC-RS) Universidade Federal de Santa Maria, RS, Brasilien Universidade de Santa Cruz do Sul – UNISC Middle – West State University – Unicentro Parana
<b>Burundi</b>	Universite du Burundi. Bujumbara
<b>Chile</b>	Universidad Austral de Chile(UACH), Valdivia Universidad Catolica de Temuco, Chile
<b>Czech Republic</b>	Mendel University Brno, Faculty of Forestry and Wood Technology, Brno
<b>Finland</b>	North Karelia University of Applied Sciences, Joensuu Seinäjoki University of Applied Sciences, Seinä, Äthäri
<b>France</b>	Centre National de Formation Forestière, Nancy-Velaine Lycée Forestier de Croigny, Les Loges Margueron
<b>Great Britain</b>	Inverness College, School of Environment & Natural Sciences, Inverness
<b>Japan</b>	Kagoshima University Iwate University
<b>Lithuania</b>	Kaunas Forestry and Environmental Engineering University of Applied Sciences
<b>The Netherlands</b>	University of Applied Sciences, Van Hall Larenstein Part of Wageningen UR, Velp Leeuwarden
<b>Norway</b>	Hedmark University College, Elverum, Campus Evenstad
<b>Paraguay</b>	Universidad de San Carlos, Asuncion
<b>Poland</b>	University of Agriculture in Krakow
<b>Romania</b>	Universitatea de Vest “Vasile Goldis” din Arad, Arad
<b>Sweden</b>	SLU Swedish University of Agricultural Sciences, Uppsala and Campus Umea, Faculty of Forestry, Umea Mid Sweden University, Faculty of Science, Sundsvall
<b>Switzerland</b>	Zurich University of Applied Sciences, Wädenswil
<b>Spain</b>	Universidad Politecnica de Valencia, Escuela Politecnica Superior de Gandia, Grao de Gandia

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	Universidad de Murcia
	Universidad de Cadiz
	Universidad de Cartagena
<b>Uganda</b>	Makerere University Kampala
<b>United States of America</b>	University of Maine, Orono
<b>Venezuela</b>	Universidad del Oriente

## Public transportation

The HFR is located two kilometres outside of Rottenburg. By foot it takes about 20 minutes from the railway station to reach the HFR. There is a public transportation/bus available. Naldo student-semester-tickets for the local transportation systems are available for approximately 80,00 Euro ([www.naldo.de](http://www.naldo.de)). In order to get this semester ticket you have to present your ID-card.

## Refectory/Mensa/Cafeteria

Warm meals, snacks, coffee etc. are provided in the "Mensa" situated on the Campus. Students have the choice of 2 different hot lunch meals, served between 11.30 and 13.30. To pay in the Mensa students have to load their student ID card with an amount of money they chose. The cafeteria is open from 7.30 to 16.00.

## Free time/touring and travelling

The geographical position of Rottenburg between the Black Forest, Swabian Alb and the Lake Constance in the heart of Baden-Wuerttemberg, offers many possibilities for culture or nature-oriented leisure activities.

Tübingen, one of Germany's oldest university towns, is about 10 km away and can be reached by train in 10 minutes (by bike in 30-40 minutes).

## Websites

Contact our website [www.hs-rottenburg.de](http://www.hs-rottenburg.de) and find more information and links on all aspects of our school.

For tourism have a look at

[www.rottenburg.de](http://www.rottenburg.de)

[www.tuebingen.de](http://www.tuebingen.de)

[www.stuttgart.de](http://www.stuttgart.de)

[www.schwaebischealb.de](http://www.schwaebischealb.de)

All offer excellent information on the attractions of the region.

[www.bahn.de](http://www.bahn.de)

The German Railway offers cheap group tickets at the weekend.

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### Description of the degrees

#### Forest Sciences B. Sc.

Alongside the ecological and social aspects of forests, special importance lies in the utilization of the sustainable resource wood and the responsible handling of it. This requires complex thinking over long time periods and interdisciplinary competence. Building upon natural and social scientific knowledge and technical understanding, the degree is aligned for the practical application by generalists.

The forestry and timber industry has great economical importance which is shown by studies and climate discussions. Being a field entailing such current issues, the degree offers diverse career perspectives. Throughout the degree there are several teaching components in the form of excursions, practical exercises, as well as projects and group work. For these purposes there is a large university teaching reserve nearby the campus, which offers the ideal opportunity to practice.

#### Structure of the course

##### *Basic Study Period, 1./2. Semester*

The foundations of the broadly based forest degree are taught in the first two semesters. Besides natural and social science, technical and methodological fundamentals, great value is placed on the acquisition of key qualifications.

##### *Main Study Period, 3./4. and 6./7. Semester*

Within the main study period, the topic areas of forest science are collectively deepened and supplemented until the end of semester 4. From semester 5 (internship semester) there exists the possibility to specialize in different core study areas. On offer in Rottenburg are the course majors "Geographical Information Systems and Landscape Management", "General Forestry", as well as "Business Administration and Timber Management". Together with our Dutch partner university Van Hall Larenstein, part of Wageningen UR in Velp, the core study areas "Tropical Forestry" and "International Timber Trade" can be completed in English.

##### *Integrated Internship Semester, 5. Semester*

Students get the opportunity to gain domestic or international practical experience in companies, forest departments or other institutions and get a deeper insight into the occupational field.

##### *Bachelor Thesis\**

The degree ends with a final assessment, the bachelor thesis. As part of this, practical and scientific relevant problems are independently solved.

\*\*dual degree Rottenburg and Larenstein for those doing advanced studies in "Tropical Forestry" and "International Timber Trade"

You will find the courses and modules in the "Study and examination regulations" on the homepage:

[https://www.hs-rottenburg.net/fileadmin/user\\_upload/Studiengaenge/alle/Modulhandbuecher-StuPo/StuPO\\_Bachelor\\_27-06-2014.pdf](https://www.hs-rottenburg.net/fileadmin/user_upload/Studiengaenge/alle/Modulhandbuecher-StuPo/StuPO_Bachelor_27-06-2014.pdf)

Head of Degree Programme:

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Course Assistants:

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### Renewable Energy B. Sc.

The degree connects ecological ideals with economical necessities. The large practical component, the acquisition of technical, economical and ecological knowledge, as well as social competence together offer the basis for successful work in the highly prospective area of bioenergy. Numerous excursions and the development of solution concepts for companies and communities highlight the practically oriented approach of the degree.

Providing energy for today and tomorrow requires new solutions in a steadily changing environment. Therefore, the future oriented degree Renewable Energy provides high levels of innovation capability and flexibility. The exchange with national and international partners from commerce, politics, planning and associations, offer the students valuable knowledge for a crisis-proof place of employment.

#### Structure of the course

##### *Basic Study Period, 1./2. Semester*

The basic study period teaches technical and natural scientific foundations and gives an insight into the production, provision and utilization of biomass, in the energy sector and information technology.

##### *Main Study Period, 3./4. and 6./7. Semester*

The main study period deepens and complements the content of the basic study period and solidifies the practical skills of the students. Plant management or the developing of energy concepts are taught as advanced skills. Bioenergy logistics, firing systems, technology assessment and Life cycle assessments are central topics. Students are able to decide their own individual specialization through completing core elective compulsory subjects.

##### *Integrated Internship Semester, 5. Semester*

The 5th semester serves as an internship at home or abroad where theoretical knowledge can be applied in practice. It enables students to carry out independent work, acquire high communication competence and get to know occupational fields.

##### *Bachelor Thesis*

The degree ends with a final assessment, the bachelor thesis. As part of this, practical and scientific relevant problems are independently solved.

You will find the courses and modules in the “Study and examination regulations” on the homepage:

[https://www.hs-rottenburg.net/fileadmin/user\\_upload/Studiengaenge/alle/Modulhandbuecher-StuPo/StuPO\\_Bachelor\\_27-06-2014.pdf](https://www.hs-rottenburg.net/fileadmin/user_upload/Studiengaenge/alle/Modulhandbuecher-StuPo/StuPO_Bachelor_27-06-2014.pdf)

Head of Degree Programme:

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### Water Resource Management B. Sc.

Water is one of the most important resources for the life of mankind. Without water, it wouldn't be possible for our own existence nor that of agriculture, energy production or the manufacturing of technical products. The assurance of sufficient water resources and their sustainable and responsible management are issues decisive to the survival of the human society. Water availability is either too scarce or too plentiful and mostly in the wrong places or at the wrong time. The degree Water Resource Management teaches the knowledge and skills to solve these fundamental challenges.

Dealing with water as a natural resource in industrialized as well as in developing countries demands project-oriented, multifunctional and interdisciplinary competence. Therefore, alongside natural scientific and technical foundations, social scientific issues are also of great significance. The integration of concrete, practically oriented projects is a main part of the course.

The assurance of worldwide water provisions and availability constantly requires new solutions due to quickly changing social and technical circumstances. Accordingly, the degree is characterized by high levels of innovation. Through the integration of international partners from politics, planning, commerce and non-governmental organisations, there is a continual transfer of knowledge and the topics are kept up to date.

#### Structure of the course

##### *Basic Study Period, 1./2. Semester*

The natural science and technical foundations are taught in the first two semesters. Also important is acquiring key qualifications such as competent communication and the ability to carry out scientific work.

##### *Main Study Period, 3./4. and 6./7. Semester*

In the main study period, the focus is on concrete practical case studies which deal with the social and economic importance of water. Extended methods are taught such as the use of geographical information systems and their application. The main focus is also on issues from developmental cooperation and environmental economics. Students are able to decide their own individual specialization through the many elective compulsory subjects.

##### *Integrated Internship Semester, 5. Semester*

The internship allows students a comprehensive insight into the occupational area. Important contacts are made to potential employers around the world. The University of Applied Sciences Rottenburg can assist with the placement.

##### *Bachelor Thesis*

The degree ends with a final assessment, the bachelor thesis. As part of this, practical and scientific relevant problems are independently solved.

You will find the courses and modules in the "Study and examination regulations" on the homepage:

[https://www.hs-rottenburg.net/fileadmin/user\\_upload/Studiengaenge/alle/Modulhandbuecher-StuPo/StuPO\\_Bachelor\\_27-06-2014.pdf](https://www.hs-rottenburg.net/fileadmin/user_upload/Studiengaenge/alle/Modulhandbuecher-StuPo/StuPO_Bachelor_27-06-2014.pdf)

Head of Degree Programme:  
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Phone: ++ 49 (0) 7472-951-243  
[megerle@hs-rottenburg.de](mailto:megerle@hs-rottenburg.de)

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Katrín Altfelder, Dipl.-Biologin  
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### Applied Wood Technology B. Sc.

Presently, 3.3 billion m<sup>3</sup> of wood annually is used worldwide. Wood therefore plays a significant role in the commodity markets and is the resource of the future. The existing intensive world timber trade will continue to develop strongly. Wood is the raw material of the 21st century: renewable, environmentally friendly and versatile – for its energetic or material usage. The distribution of this growing resource and its efficient utilization will be one of the most important tasks in the future.

Even the technical and optical qualities within a wood type are very diverse. Only by having knowledge about it can the right choice be made for its practical and efficient usage. This degree teaches knowledge which considers the qualities of wood already in the production phase, how to fulfil the requirements of this modern building material, and to achieve the highest product quality. Through technical and chemical handling processes a great variety of different wood products can be created.

The innovative potential for wood is extremely high. This is seen in new treatment processes and the combination with other raw materials. The wood market is undergoing change and new developments place great demands on planners and manufacturers. The increasing shortage of this raw material requires a sustainable approach for its use and leads to a great demand for know-how in the field of wood utilization, particularly in other countries.

#### Structure of the course

##### *Basic Study Period, 1./2. Semester*

The basic study period teaches technical and natural scientific foundations and the functionality of economic processes. It gives a worldwide overview of the resources forests and wood.

##### *Main Study Period, 3./4. and 6./7. Semester*

The content includes understanding general building material, theory about isolation and insulation, procedures for the modification and the energetic use of wood. Wood as a design element and for construction is equally dealt with, as well as the characteristics of wood composite materials. Further components include material science and material testing, applied building physics, material development and so called Change-Management. Students are able to decide their own individual specialization through the numerous elective compulsory subjects.

##### *Integrated Internship Semester, 5. Semester*

The 5th semester is an internship where theoretical knowledge can be applied in practice. It is possible to carry out independent work, acquire high communication competence and learn about occupational activities. This can also be completed abroad.

##### *Bachelor Thesis*

The degree ends with a final assessment, the bachelor thesis. As part of this, practical and scientific relevant problems are independently solved.

You will find the courses and modules in the “Study and examination regulations” on the homepage:

[https://www.hs-rottenburg.net/fileadmin/user\\_upload/Studiengaenge/alle/Modulhandbuecher-StuPo/StuPO\\_Bachelor\\_27-06-2014.pdf](https://www.hs-rottenburg.net/fileadmin/user_upload/Studiengaenge/alle/Modulhandbuecher-StuPo/StuPO_Bachelor_27-06-2014.pdf)

Head of Degree Programme:  
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### Sustainable Regional Management B. Sc.

Given all the urbanization processes taking place worldwide, about 50% of humans are still living in rural areas. In terms of surface area, even in an industrialized country like the Federal Republic rural areas make up the predominant part, leaving aside the global perspective. Therefore, particular importance is assigned to sustainable regional development, with economic competitiveness guaranteed, and the urgent problems associated with environment and energy policy in rural areas.

A sustainable management of rural areas requires project-oriented, multifunctional and interdisciplinary competences. Thus, in addition to scientific and ecological basics, social, economic, tourist, and legal knowledge as well as the integration of practice-based projects also form essential areas of studies.

Today, it does not suffice anymore to have rural areas administrated. What is needed is the commitment of well-qualified academics with consulting authority and planning competence in perspective. As framework conditions for rural areas continually change, creative and innovative approaches are necessary. Support from national and international experts in regional management, nature conservation, tourism, economy and politics guarantees permanent knowledge transfer and topicality of issues.

#### *Basic Study Period, 1./2. Semester*

In the first two semesters, scientific and social science essentials are imparted, together with basic knowledge in economics and law. It is also very important to acquire key qualifications, for example, communication skills or the ability to conduct scientific work.

#### *Main Study Period, 3./4. and 6./7. Semester*

With extensive theoretical sections as a given, the main focus in graduate studies is primarily on concrete practical applications addressing the sustainable management of rural areas. The national perspective will be supplemented by an increasing input of international aspects. A wide range of different electives facilitate the setting of individual priorities.

#### *Integrated Internship Semester, 5. Semester*

The fifth semester is a practical semester that allows comprehensive insights into eligible occupational fields. Potential employers at home and abroad can be contacted.

#### *Bachelor Thesis*

Studies are completed with the bachelor thesis as final paper. In it, questions of practical and scientific relevance have to be solved unassisted.

You will find the courses and modules in the “Study and examination regulations” on the homepage:

[https://www.hs-rottenburg.net/fileadmin/user\\_upload/Studiengaenge/alle/Modulhandbuecher-StuPo/StuPO\\_Bachelor\\_27-06-2014.pdf](https://www.hs-rottenburg.net/fileadmin/user_upload/Studiengaenge/alle/Modulhandbuecher-StuPo/StuPO_Bachelor_27-06-2014.pdf)

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## ECTS Information Guide

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### Resource-efficient Building M. Sc.

Further information regarding this degree will shortly follow.

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## ECTS Information Guide

### SENCE – Sustainable ENergy CompetenCE M. Sc.

SENCE stands for Sustainable ENergy CompetenCE and covers the theory as well as the practical application of regenerative energy for the production of heat and electricity with solar energy, hydro- and wind power as well as from biomass as renewable energy sources.

Within four semesters the students acquire scientific competence for planning, implementing and the operation of installations for renewable energy generation and usage. Through the research and project oriented structure of the degree, the students gain a practice based education and the possibility to expand their know-how in this future oriented field and to set their own main focuses.

SENCE is based on the foundations of three equally important teaching disciplines: natural sciences, technical sciences, as well as economic and social sciences. These are found over again in the different phases and modules of the course. In the course special focus in the course is on the individually carried out projects and research. These are conducted by the students at the cooperating applied universities or in private enterprises.

#### Structure of the Master Degree SENCE

1st semester	Sustainable Management – Resources Scientific Work and Project Management Sustainable Energy Technology– Industrial Systems Sustainable Energy Technology– Building Systems
2nd semester	Project Phase – two scientific projects each 8-12 weeks working time
3rd semester	Sustainable Energy Management Business Seminar Development of a Research Project (DFG/EU) Mathematic Scientific Modelling
4th semester	Master Thesis (6 months duration)
<b>Degree</b>	<b>Master of Science (M.Sc.) Sustainable Energy Competence</b>

You will find the courses and modules in the “Study and examination regulations” on the homepage:

[https://www.hs-rottenburg.net/fileadmin/user\\_upload/Studiengaenge/SENCE/StuPo/StuPO-SENCE.pdf](https://www.hs-rottenburg.net/fileadmin/user_upload/Studiengaenge/SENCE/StuPo/StuPO-SENCE.pdf)

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## ECTS Information Guide

### Map



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