Name of Module: SNET 2– Master-Project
Credit Points (according to ECTS): 12
code designation MINF-SNET-SNETPJ2.W10

Person Responsible for Module: Küpper
Secretariat: TEL 19
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Module Description

1. Qualification Aims
After successfully finishing this module, the participating students have well-founded knowledge and practical experiences in current and future services and service infrastructures in the Internet. Examples include, but are not limited to web services, service-oriented architectures (SOA), location-based services (LBS) and ubiquitous computing. In the seminar, they gained fundamentals in scientific work, processing research results and presentation skills. During the practical project, students improve their capacity for teamwork and competence in project management.

The course is principally designed to impart
Technical skills: 30%, method skills: 30%, system skills: 10%, social skills: 30%

2. Content
The module consists of two parts – a seminar and a practical project. The participants start with getting familiar with their assigned topics within the research area of SNET and preparing a speech as well as a written report. During the project, the team will cope with a substantial task including software design and implementation, by applying several methods and knowledge that have been achieved during basic courses (terms 1-4). The project tasks will also be in the research area of SNET.

3. Module Components

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Course Type</th>
<th>Weekly hours per semester</th>
<th>CPs (according to ECTS)</th>
<th>Compulsory(C) / Compulsory Elective (CE)</th>
<th>Semester (WS / SS)</th>
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</thead>
<tbody>
<tr>
<td>Advanced Seminar SNET 2</td>
<td>SE</td>
<td>2</td>
<td>3</td>
<td>CE</td>
<td>WS &amp; SS</td>
</tr>
<tr>
<td>Advanced Project SNET 2</td>
<td>SP</td>
<td>6</td>
<td>9</td>
<td>CE</td>
<td>WS &amp; SS</td>
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4. Description of Teaching and Learning Methods
In the beginning of this course, seminar topics are given to the participants, as well as corresponding literature to start with for their research. The organizer gives introductions on giving expert talks and preparing scientific work. Main objectives of the seminar are an expert talk given by the participants and a written report. The project starts with forming teams and assigning topics. After refining the first software design they implement and test their topic. The course finishes with the presentation of the results in a speech and a written project documentation. The entire project is accompanied by introductions in tools used for software development and documentation. Lectures and practical lessons are given in English.

5. Prerequisites for Participation
Mandatory: basic knowledge in computer science (basic courses in terms 1-4)
Desirable: experience in object-oriented programming

6. Target Group of Module
Master and diploma students of
- Computer Science (Informatik)
- Computer Engineering (Technische Informatik)
- Compulsory elective in other degree programs possible if course is not full.

7. Work Requirements and Credit Points

<table>
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<tr>
<th>Advanced Seminar SNET (90h/3LP)</th>
<th>Calculation Factor</th>
<th>Hours</th>
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</thead>
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8. Module Examination and Grading Procedures

Final grades for the module will be composed of grades on partial performances of the seminar and project. As a prerequisite, each partial performance has to be passed to successfully finish the whole module. Basis for grading is the following evaluation scheme:

- Seminar speech  15%
- Seminar report  20%
- Participation in project 15%
- Implementation  40%
- Project documentation 10%

9. Duration of Module

The module can be finished in one semester.

10. Number of Participants

The project is limited to 12 participants.

11. Enrolment Procedures

Registration and regulations will be available on the website of SNET http://www.snet.tu-berlin.de/.

12. Recommended Reading, Lecture Notes

Lecture notes available in paper form?  no
Lecture notes available in electronic form?  no
web address: http://www.snet.tu-berlin.de/

Recommended Reading:

Recommendations will be given during the course.

13. Other Information

After individually consulting the organizer, the topics of the module may serve as foundation for a bachelor thesis in that research area.