Welcome Meeting 2019

European Master in Software Engineering
– UPM –
http://emse.fi.upm.es
@emse_upm
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Structure: Academic Commission

Jaime Ramírez
Director of the Master
jramirez@fi.upm.es
Office: D-5112
Phone: 910672978

Angélica de Antonio
Coordinator of the Master
angelica@fi.upm.es
Office: D-3354
Phone: 910672711

Xavier Ferré
International Relations Associate Director
xavier@fi.upm.es
Office: D-3335
Phone: 910672948

María Fernández
Administrative Officer
maria.fernandez@upm.es
Office: D-3104
Phone: 910672754
External Relations Office (OREX)

- Information and help for international students
- Intermediary with the student secretary.
- Mobility programmes
- Internships
- Support for visa renewal

Paloma Vivas
Head of the Office
Relations with Society
Extension: 72821
Academic Calendar

• First semester:
  • Enrolment: was open till 13th September
  • Regular classes: 16th September to 14th January
  • Evaluation period: 15th to 24th January

• Second semester
  • Unenrollment for 2nd Semester (max. 24 ECTS): 27th to 31st January
  • Enrolment (limited): 3rd to 7th February
  • Regular classes: 29th January to 22nd May
  • Evaluation period: 1st to 19th June

• Deferred evaluation period: 22nd June – 17th July
• Do not forget to enrol for the next year!! (second half of July or extraordinary period in Sep)
### Structure of the Studies

<table>
<thead>
<tr>
<th></th>
<th>1st Semester</th>
<th>2nd Semester</th>
<th>3rd Semester</th>
<th>4th Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Compulsory Subjects</strong></td>
<td>5 subjects (24 ECTS)</td>
<td>3 subjects (12 ECTS)</td>
<td>Software Project (14 ECTS)</td>
<td>Master Thesis (30 ECTS)</td>
</tr>
<tr>
<td><strong>Elective Subjects</strong></td>
<td>6 ECTS</td>
<td>18 ECTS</td>
<td>16 ECTS</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td>30 ECTS</td>
<td>30 ECTS</td>
<td>30 ECTS</td>
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Elective Subjects

• List updated annually
• Elective subjects are:
  o Subjects of the Advanced Software Engineering Aspects module or
  o Seminars
• Advanced Software Engineering Aspects module
  (11 subjects - 49 ECTS)
  o Some will be available in the first semester and others in the second.
<table>
<thead>
<tr>
<th>Time</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Computer Security</td>
<td>Sw. Engineering Economics (Room Artá)</td>
<td></td>
<td>Management, Relationships</td>
<td>Agile Software Development:</td>
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<tr>
<td></td>
<td></td>
<td>Verification and Validation</td>
<td>Software Project Management</td>
<td>and Communication in Working</td>
<td>Agile Practices and Agile</td>
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<td>Groups</td>
<td>Usability</td>
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<td></td>
<td></td>
<td></td>
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<td>Verification and Validation</td>
<td>Requirements Engineering</td>
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<td>Models and Methods for</td>
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<td>Process Improvement and</td>
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<td></td>
<td>Assessment</td>
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<td></td>
<td>Rigorous Software Development</td>
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</tbody>
</table>

**Legend:**
- **Mandatory Subjects (16 weeks)**
- **Mandatory (Only in odd weeks)**
- **Elective Subjects (16 weeks)**
- **Elective (Only in even weeks)**
- **Special Activities (16 weeks)**

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**EMSE - First Semester (September-January)**
<table>
<thead>
<tr>
<th>Day</th>
<th>15:00-16:00</th>
<th>16:00-17:00</th>
<th>17:00-18:00</th>
<th>18:00-19:00</th>
<th>19:00-20:00</th>
<th>20:00-21:00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday</td>
<td>Fundamentals of Business Administration</td>
<td>Software Design</td>
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<tr>
<td>Tuesday</td>
<td>Software Quality Management</td>
<td>Experimental Software Engineering</td>
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<tr>
<td>Wednesday</td>
<td>Interaction Design</td>
<td>Software Architecture</td>
<td>Assessment Activities</td>
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</tr>
<tr>
<td>Thursday</td>
<td>Experimental Software Engineering</td>
<td>Interaction Design</td>
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<td>Friday</td>
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</tbody>
</table>

- **Mandatory Subjects (16 weeks)**
- **Elective Subjects (16 weeks)**
- **Elective Subjects (16 weeks)**
- **Special Activities (16 weeks)**
Grading

- Grades go from 0 to 10
- Passing grade is 5
- They may differ from your previous experience
- Please check your subjects learning guides in this link!!
Seminars

- Seminars are taught by recognized experts coming from the university or the industry.
- Seminars for the incoming semesters will be published in EMSE website throughout the academic year.
  - List of seminars available in the previous academic year is still in the website (link) for orientation.
- Students have to sign up for seminars through the EMSE website no later than 5 days before the seminar.
Seminars

• You only can enroll in seminar subjects at the enrolment period of the first semester.
  o Seminar subjects have 0.5, 1, 1.5 or 2 credits.

• Two ways of passing a subject seminar:
  o **Enroll + Attend:**
    1. Enroll in a seminar subject of N credits
    2. Attend seminar of N credits
    3. We save your grade in the seminar
    4. We give you the saved grade in this subject
  o **Attend + Enroll** (only in first year):
    1. Attend a seminar of N credits
    2. We save your grade in the seminar
    3. Enroll in a seminar subject of N credits in the second year
    4. We give you the saved grade in this subject
Student Representatives

- Students elect one course delegate and one sub-delegate to represent them.
- They are the contact point between students and professors/EMSE Commission.
- Delegate is a member of the EMSE Academic Commission, attends its meetings, and participates in the decisions.
• 4th semester final compulsory subject (30 ECTS)

• Procedure:
  1. The student selects a Master Thesis work among the proposed by the EMSE professors (having automatically assigned an advisor)
  2. When the advisor authorizes the thesis defense, it is deposited and a panel is announced by the EMSE Commission for its defense
  3. The student presents it in public session in front of the panel

• Watch out the subject deadline for the defense!!
• Enrolled students will be called for a meeting by mid October
Software Project

Pilar Rodríguez  
pilar.rodriguez@fi.upm.es  D-5105

• 3rd semester compulsory subject (14 ECTS)
• Practicum  
  o Internship in a partner company  
  o UPM Research lab
• Procedure:  
  o Pre-enrolment (June-July)  
    • CV  
  o Selection between internship offers (July-September)  
  o Internship (starting in September-October)
Student Mobility

• **Double Degree programs**
  o Programs with admission before 1\textsuperscript{st} year
    • University of Oulu, Free University of Bolzano
  o Programs with admission before 2\textsuperscript{nd} semester
    • Illinois Institute of Technology (IIT), Chicago, USA
    • Tongji University, Shanghai, China
    • Beihang University, Beijing, China

• **LLP-ERASMUS program**
  o Erasmus agreements >100 European universities
  o One or two semesters
  o A monthly stipend provided by European Union
  o Exempt from registration fees at the foreign university

• **Presentation about mobility opportunities in December**
• **External Relations Office – OREX (office #3104)**
Enjoy your study at EMSE!