MTAT.03.306
Requirements Engineering

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On successful completion of this course, students will able to

• Explain the concepts, theories, and best practices associated with requirements engineering
• Elicit, negotiate and document software requirements
• Develop major requirements artefacts and use them during the software development projects
• Apply requirements validation techniques
• Manage software requirements, priorities, and trace them
About the Course

• Course Website

– Lectures
  • Presented during lectures - uploaded to before the lecture

– Readings
  • Self-study material
  • Selected books and articles

– Submit
  • Place where you will be able to upload solutions to home assignments

– Exam
  • This year exam tasks will be uploaded after the exam

Workload

6 ECTS = 156 hours of study
(1 ECTS = 26 hours of study)

• Lectures – 32 hours
• Independent work – 124 hours
## Course outline

<table>
<thead>
<tr>
<th>Day</th>
<th>Topic</th>
<th>Lecturer/ Comments</th>
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<tbody>
<tr>
<td>L1</td>
<td>12. September RE framework, Requirements specification</td>
<td>Raimundas</td>
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<tr>
<td>L2</td>
<td>26. September Requirements elicitation Requirements negotiation</td>
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<tr>
<td>L3</td>
<td>10. October Requirements managements</td>
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<tr>
<td>L4</td>
<td>24. October Goals</td>
<td>Mubashar, Raimundas, 28. October, room 111 &amp; 405</td>
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<tr>
<td>L5</td>
<td>7. November Scenarios</td>
<td>Mubashar, Raimundas, 11. November, room 111 &amp; 405</td>
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<td>L6</td>
<td>21. November Requirements modelling</td>
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<td>L7</td>
<td>5. December Requirements validation</td>
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<tr>
<td>L8</td>
<td>19. December Requirements engineering workshop</td>
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Changes are possible!
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During lectures 2-7, there will be **Exercises**, which will be graded

Changes are possible!

## Modalities and Assessment

- **Class exercises** – 3 points each
- **Workshop** – 40 points
- **Exam** – 50 points
Modalities and Assessment

• Class exercises – 3 points each
  If you have performed all 6 exercises, you will be awarded 2 bonus points!

• Workshop – 40 points

• Exam – 50 points

Exam times:
(1) 09 January, 2020, 14:00-18:00, room 405
(2) 16 January, 2020, 14:00-18:00, room 111
Resit – 23 January, 2020, 14:00-18:00, room 403
Modalities and Assessment

• **Class exercises** – *3 points each*
  If you have performed all 6 exercises, you will be awarded 2 bonus points!

• **Workshop** – *40 points*

• **Exam** – *50 points*

  To be admitted to the exam, at least *35 points* of the grade from the exercises and workshop need to be collected during the semester