

# Implementation Technologies: sound, visuals, robotics

175620 (5 ECTS cu)

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T/2D305 (Wed 14-15)

# Course content

- Marked as project work course in curricula
  - Strong emphasis on project works in groups
- Introduction lectures and follow-up seminars
- Final seminar in December
- No exams
  - Number of small writing tasks
  - Learning diary
  - Group work (planning, implementation, documentation)

# Course content

- **Individual writing tasks (3-5)**
  - Short essays about a given topic
- **Learning diary**
  - Should be returned by 16<sup>th</sup> of December
  - Free form of presentation
- **Project work**
  - An advanced project with educational robotics

# Course dates

- Introduction lectures: 26 October and 2 November
- Follow-up seminars: 9 and 23 November and 7 December
- Project work due: 12 December (documentation)
- Final seminar: 14 December
- Learning diary due: 16 December
- Individual and group work between these

# Course grading

- Individual writing tasks: 15%
  - Content
- Learning diary: 25%
  - Own reflection
- Project work: 60%
  - Creativity
  - Presentation, documentation
  - Technical implementation

# Course practices

- Tasks should be returned by the deadline
  - Individual writing tasks
    - email to [ijorma@cs.joensuu.fi](mailto:ijorma@cs.joensuu.fi) with subject "IMPTECH: Task x" (deadlines to be defined, first will be 1 November, 8am)
  - Learning diary
    - email the diary (PDF) or link to a web page (16 December)
  - Group work
    - Presentations (5-10 mins) in the follow-up seminars
    - Final documentation (web page) **before** final seminar to Ilkka (12 December)

# Project work

- Planning, implementation, documentation
- Tools and software will be provided
- It's possible to work in EdTech lab at Science Park (lab will be reserved for the course for couple of hours / week)
- It's possible to work also at home
  - Hardware and some software can be given out