

Human Computer Interaction and InfoViz

Fall-semester 2017

Computer Science (& Biology), Media Technology, Minor - Electives

Lecturer: Prof Dr Ir **Fons J. Verbeek**

Assistants: Lise Stork
Danyi Liu
Lisa Pothoven
Marc Driessen
+ ...

Course Information

- Internet: HCI content management system
 - <http://hci.liacs.nl>
 - Announcements & Notes
 - Links to assignments
 - Instructions for assignment hand-in (via BlackBoard)
 - Links to resources
- LIACS announcement board in lobby “Snellius” and on <http://info.liacs.nl/liacs>
- Rule: if an announcement has appeared on either of these media, there is no excuse for not knowing it!
- Email via BlackBoard (tentative)

Course Setup

- **Theoretical part**
 - Series of lectures (till 2nd half of October)
 - Twice a week 2 hrs (Monday –Thursday)
 - Reading assignment in book
 - Additional papers, lecture notes
- **Practical part**
 - Assignment to apply theory
 - Work with on real problem with real users
 - Work in a 2 person team
 - Multi disciplinary!
 - Teams composed with administration (Game / Matching)
 - HCI lab / Assistant discussion

Course material (theory part)

- Handouts/notes
- Course book
- *Designing Interactive Systems* (3rd e)
David Benyon, 2014,
Pearson-Addison Wesley
- All exact ordering info available
via website (<http://hci.liacs.nl>)
Costs about € 50.
Obtain via Leidsche Flesch
- Reading assignments: book
- Reading assignments: papers



Additional reading

- “Human-Computer Interaction” (3rd ed.)
 - Alan Dix et al., Pearson-Prentice Hall
- “Human Computer Interaction”,
 - Dov Te’eni, Jane Carey & Ping Zhang
- “Interaction design, beyond Human Computer Interaction”,
 - Jenny Preece, et al., Wiley and Sons.
- “Designing the User Interface”,
 - Ben Shneiderman, AWL
- “The Human Interface”
 - Jef Raskin, AWL
- “Human Computer Interaction”,
 - Jenny Preece et al, AWL

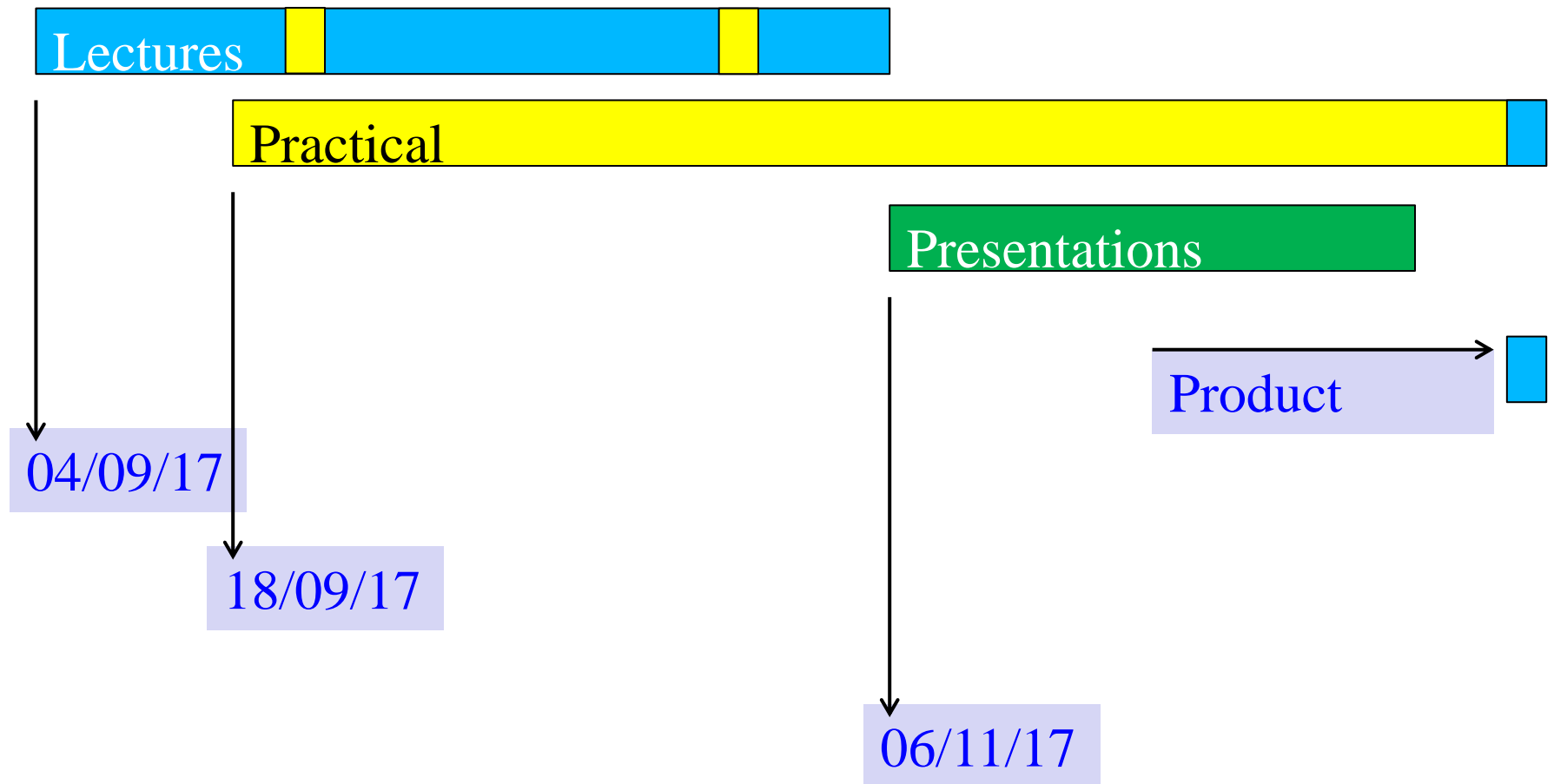
Topics lectured (*concept*)

| Date | Lecture # | Subjects |
|--------------|-----------|---|
| September 04 | HCI 01 | Introduction, Course Outline |
| September 07 | HCI 02 | Human Perception, Cognition, Affective Computing |
| September 11 | | NO LECTURE |
| September 14 | HCI 03 | Reasoning, Computer – Interaction, Outline Practical Part |
| September 18 | HCI 04 | Mental Models, Metaphors |
| September 21 | HCI 05 | Interaction models |
| September 25 | HCI 06 | Interaction Styles |
| September 28 | HCI 07 | Iconic messaging, Windowing Systems |
| | | |
| October 02 | HCI 08 | Development process, User Analysis |
| October 05 | HCI 09 | Task Analysis, Service Design |
| October 09 | HCI 10 | Usability & Prototyping |
| October 12 | HCI 11 | Evaluation, Measurement |
| October 16 | HCI 12 | Groupware, Social Systems |
| October 19 | HCI 13 | Augmented Reality, Ubiquitous Computing |

Practical Assignment

- 3rd week semester team formation
 - Computation-student + Other-student
- 3rd week of semester assignment available
 - Type of assignments now under consideration/study
- 4th week of semester assignment subject
 - Discussed with team assistant
 - Approved by administration
 - Schedule per team
- From 06-11-2017 till 04-12-2017 presentations
 - Mandatory for all participants
 - According to schema published by administration
 - Plan, Product/Idea, Prototype
- January, final deadline (no delay possible)
 - Presentation final Prototype
- Website, Proceedings of last years products/papers

Time Line HCI & InfoViz 2017



Grading - Organization

- **6 ECTS** study points, level 400
- CS, MT: HCI theory
 - 12/13 lectures
 - exam
- CS, MT: HCI assignment
 - Approved, Submitted before deadline
- Presentations (2x: November 2017, January 2018)
 - Presentations HCI assignment
 - Feedback (per group)
- Grading:
 - $6.5 * \text{Assignment} + 3.5 * \text{Exam} = \text{Final Grade}$
 - provided both grades ≥ 5.5
 - 65 % assignment consist of number of sub-grades

Grading - Completion

- The deadline for the assignments is the only option to submit results.
- There are no assistants after January 2018
- No extension possible!
- No practical assignment completed means that we will see you next year.
- Retake exam, in general February/March.
- Marks Exam/Assignment only kept for one period
- *September 2018*, there will be a new course

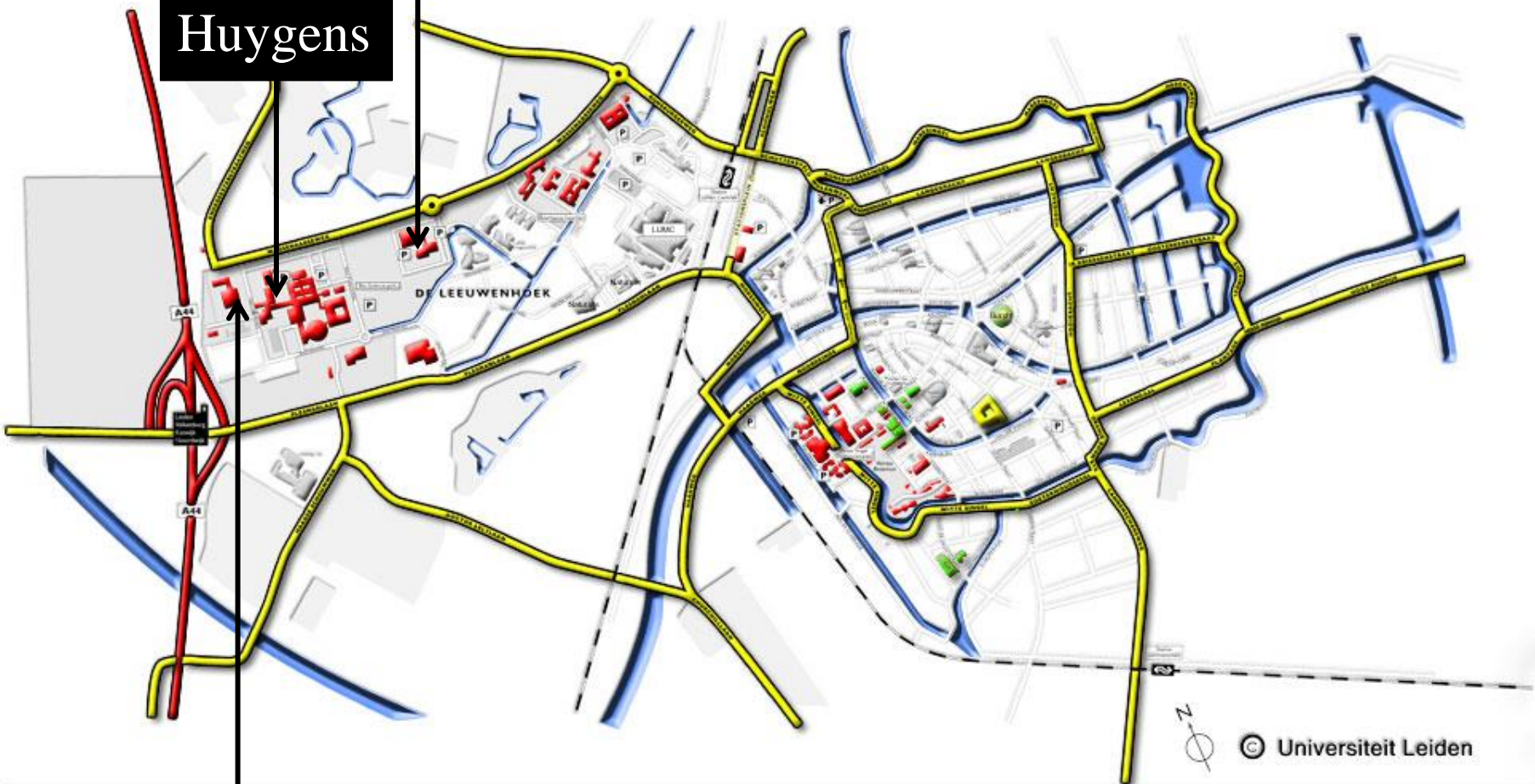
Lecture Location

- Lecture #1, #3-#13
- Lecture #2
- **Huygens 106-109**
- **Sylvius 1531**
- Check Notice board!
- Check hci.liacs.nl (news)
- Check hci.liacs.nl (schedule)
- Presentations
- Final Presentations
- **Snellius room 413**
- Check Notice board,
Check hci.liacs.nl

Sylvius

Huygens

Snellius



You Need to

- Enroll in the course in uSis (code 9183)
 - Do this asap!!!; necessary for administration
- Enroll in the course in Black-Board
 - Once asked in class
- Be present at the lectures
- Make sure you are present for team formation
- Be present at the presentation lectures
 - According to schedule

Questions ?

- Course Administration
 - Prof Dr Ir Fons J. Verbeek
 - Room 105 Snellius.
 - Ph. Ext. 071 527 5773
 - Email f.j.verbeek@liacs.leidenuniv.nl
 - URL <http://hci.liacs.nl>
- Assignment
 - Assistants
 - Follow instructions at WWW