

CENG 518

introduction to research methodology and ethics

contact

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weekly

	MON	TUE	WED	THU	FRI
08:45				office	
10:00				518	
10:45				518	
11:45				518	
13:30					
14:30					
15:30					
16:30					

links

lectures



several videos



my website



Microsoft Teams code: ocn88qz

course notes

- **2007 – 2008 Course Notes**

Research Methods in Computer Science

Ullrich Hustadt

Department of Computer Science
University of Liverpool

outline

- Introduction
- Research (part 01)
- Origins of scientific method (part 02)
- The scientific method (part 03)
- Choosing a project (part 04)
- Project planning (part 05)
- Reading research papers (part 06)
- Searching for literature (part 07)
- References and Citing (part 08)
- Presentations (part 09)
- Ethics in scholarly work (part 10)
- **Presentations (18th and 25th of December)**

evaluation

(20%) homework 1: prepare an essay about a fallible claim (preferably in computing) in history of scientific research (other than the ones covered in lecture e.g. cold fusion or Earth-centric point of view etc.) (p.1 p.2)

(20%) homework 2: prepare an essay about a real significant scientific ethical case analysis in history (preferably in computing) (p.10)

(20%) report 1: prepare a project proposal (p.4 p.5. p.7.)

(20%) report 2: evaluate a research paper (p.1 p.3 p.6 p.8)

(20%) presentation: of the project proposal – 15 mins. (p.9)

**you need to prepare all of them to pass the course
each score should be at least 50%**

about attendance

- **518_course_attendance_and_participation_requirements.pdf**