

## Syllabus: Cognitive Engineering TU Berlin Summer University 2020 Term 2

### Week 1 July 6<sup>th</sup>- 10<sup>th</sup>

	06	07	08	09	10
	Monday	Tuesday	Wednesday	Thursday	Friday
9:00 - 10:30	<b>Welcome Day!</b> Orientation and 1 <sup>st</sup> session	Introduction to Cognitive Engineering	Ideation Phase & Project Initiation	Project Management	Research Methods & Experimental Design
Methods of Usability Testing			Project Work		
11:00 - 12:30		Display Design & Usability	Cultural Program	Project Work	Finalization of Project Outline
13:30 - 15:30				Project Work	Finalization of Project Outline
16:00- 18:00				Initial Project Concept Presentation	Cultural Program

## Week 2 July 13<sup>th</sup>- 17<sup>th</sup>

	13	14	15	16	17
	Monday	Tuesday	Wednesday	Thursday	Friday
9:00 - 10:30	Human-Automation Interaction	Lab Visit	Data Analysis & Visualization	Data Analysis & Visualization	Poster Presentations
11:00 - 12:30	Human-Robot Interaction	Usability Testing	Poster Basics	Poster Basics	Human-Centered Design
13:30 - 15:30	Social and ethical issues in HMI		Cultural Program	Poster Preparation	
16:00 - 18:00	Cultural Program			Poster Finalization & Print	Certificates Ceremony

### Key

Lecture	Field Trip or Practical	Assessment	Cultural Program activity*
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\*The cultural program timetable will be emailed to you shortly before your course starts. For more information about the cultural program, and for examples of previous schedules, head here:

[https://www.tu-berlin.de/menue/summer\\_university/cultural\\_program/](https://www.tu-berlin.de/menue/summer_university/cultural_program/)

### Assessment information

You will be assessed in the following ways:

- Participation in the initial presentation of the projects
- Written exposé on the project's goals, methods, and procedure
- Poster Presentation

Your assessments will be weighted as follows:

- Participation in the initial presentation of the projects 10%
- Exposé 40%
- Poster Presentation 50%

## Grading information

All participants of the TU Berlin Summer & Winter University are required to select their grading option at the time of registration. The two options available are (i) graded or (ii) pass/fail.

All participants who select option (i) graded, will receive a grade under the German grading system. The following table provides an overview of the grading system and equivalent scores for international credit transfers:

Total mark	German grade	English description
More or equal to 95	1,0	Excellent
More or equal to 90	1,3	Very good
More or equal to 85	1,7	Good
More or equal to 80	2,0	Good
More or equal to 75	2,3	Good
More or equal to 70	2,7	Satisfactory
More or equal to 65	3,0	Satisfactory
More or equal to 60	3,3	Satisfactory
More or equal to 55	3,7	Sufficient
More or equal to 50	4,0	Sufficient
Less than 50	5,0	Failed

## Credit Points

ECTS is a point system and European standard developed by the Commission of the European Community. ECTS stands for European Credit Transfer System. The aim is to provide common procedures and guarantee academic recognition of studies abroad. The credit system is based on student workload. All lectures, seminars, excursions and homework count towards the workload. One point is awarded for the equivalent of 25-30 hours of workload.

## Reading list

There are no required text books for this class. Students will be provided with literature, handouts, slides, and/or will be emailed any useful materials.

Students will need to bring materials to take notes in class and should bring a laptop with Microsoft Word, Excel, and PowerPoint (or equivalent software) in order to complete assignments.