

EITG05 – Digital Communications

(Previously: ETT051)

Course Information



Lectures

Teacher:

Michael Lentmaier, michael.lentmaier@eit.lth.se, E:2375

Mondays 10.15 - 12.00 in E:B, V:B, or MA 2 Thursdays 10.15 - 12.00 in MA 7

Observe: lecture rooms on mondays change

 \Rightarrow check the online schedule, available here

Course webpage:

http://www.eit.lth.se/course/EITG05

- Slides from the lectures will be posted each week
- Please check messages on this page regularly
- Secretary:

Anne Andersson, anne.andersson@eit.lth.se, E:3152b



About myself:

- since 2013: Lund University, Associate Professor Director of Master's programme in Wireless Communication
- 2008 2012: TU Dresden, Germany Vodafone Chair Mobile Communication Systems Senior Lecturer and Researcher
- ▶ 2005 2007: German Aerospace Center (DLR), Oberpfaffenhofen Researcher, positioning and satellite navigation
- 2003 2004: University of Notre Dame, South Bend, IN, USA Postdoctoral Resarch Associate
- 1998 2003: Lund University PhD student, telecommunication theory
- 1997: Lund University Erasmus student, Master's project
- 1991 1997: University of Ulm, Germany Student in Electrical Engineering



Michael Lentmaier, Fall 2017

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Exercises

There are two groups of exercise classes:

Group A: (priority for C students)

Muris Sarajlic, muris.sarajlic@eit.lth.se, E:2366

Wednesdays 10.15 - 12.00 in E:2311 Fridavs 10.15 – 12.00 in E:1147 / E:1149

Group B: (priority for MWIR students)

Muhammad Umar Faroog, muhammad.umar faroog@eit.lth.se, E:2367

Wednesdays 13.15 - 15.00 in E:1123 Thursdays 13.15 – 15.00 in E:3336

All exercises are held in English

If there is enough space in the rooms you can choose the group you prefer (otherwise see priorities above)

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Examination / Laboratory

Final Exam

- Written exam
- Thursday, October 26, 2017, 14.00 19.00 in MA 10A–E
- Five problems with 10 points each
- ► 20 points or more are required to pass

Laboratory

- One laboratory lesson is included in the course (mandatory)
- The lab lessons take 4 hours and take place in study weeks 6+7
- Applications to the lab can be made about two weeks in advance
- More information, including the instructions, will be posted (check the messages on the course webpage)



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Course Outline



Check the course outline on the webpage regularly, some details may change



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Course Literature

The course is based on the compendium:

"Introduction to Digital Communications" by Göran Lindell, August 2009 Available at KFS bookstore in the LTH study center



- You are allowed to use the compendium in the written exam!
- ► The parts of the compendium which are related to the different lectures are defined in the course outline, which is available on the webpage
- The course outline also defines the problems that are solved in the exercise classes



Michael Lentmaier, Fall 2017 Digital Communications: Course Information

Course Representative / Kursombud

We are looking for

- ► Two students from the C program
- One student from the MWIR program
- Other programs can participate if there is interest

If you are interested, please get in touch with me in the break

