



EE102: Software Engineering I

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Web page:

<http://www.eeng.dcu.ie/~ee102>

Lecture notes:

Dr. Gabriel-Miro Muntean

Focus of course:

Introduction to:

- The world of computers
- Software and Hardware
- Computer networks
- Major services
- Storing information
- Software engineering
- Programming using the C language

EE102 consists of:

- Lectures (2 hours/week)
- Tutorials (1 hour/week)
- Practicals (3 hours every 2 weeks)
- Assignment (due Fri, December 10th, 4.00 pm)
- Web site (anytime)
- E-mail conference (anytime)
- Private study (minimum 2 hours/week)

Duration:

- 12 weeks

Assessment:

- Continuous
- Laboratory Reports (30%)
- Assignment (70%)

Pass:

- Final grade at least 40%

Recommended Resources:

- Web site: <http://www.eeng.dcu.ie/~ee102>
- EE102 conference e-mail list:
ee102-talk@list.eeng.dcu.ie
- EE102 laboratory reports e-mail list:
ee102-reports@list.eeng.dcu.ie
- Search engines (e.g. <http://www.google.com>)

Recommended Textbooks:

- **Kernighan and Ritchie**, The C Programming Language, Second Edition. Prentice Hall, 1988
- **Fischer, Eggert, Ross**, Applied C: An introduction and more, McGraw-Hill, 2001
- **Hanley, Koffman and Horvath**, C Program Design for Engineers, Addison-Wesley, 1995
- **Hanley and Koffman**, Problem Solving and Program Design in C, Second Edition, Addison-Wesley, 1996
- **Meyers**, Effective C++, Second Edition, Addison-Wesley, 1998
- **Stroustrup**, The C++ Programming Language, Third Edition, Addison-Wesley, 2000

Advice:

- **Attend lectures**

- The lecturer presents the most important material
- The presence is not compulsory, but it is **strongly recommended**
- Take notes and read them at home
- Keep them and review them later on

- **Attend tutorials**

- Read lecture notes and textbooks before tutorials
- Prepare questions and ask them
- The presence is **strongly recommended** as you can clarify some aspects not fully understood

- **Do not miss any practical**

- Practicals are compulsory
- You have an opportunity to exercise theoretical knowledge
- There is a single catch up lab at the end of Semester

- **Buy the laboratory manual**

- You need it during the lab sessions
- You can get it from **Hodges & Figgis** bookshop (campus)

- **Buy a text book**

- Do it later on during Semester when you can choose it
- Until then...

- **Borrow books from the library**

- Read them!
- Take notes
- Exercise

- **Ask questions**

- **Lecturer** – after the lectures
- **Tutor** – during the tutorial
- **Demonstrators** – during lab sessions
- **E-mail** – ee102-talk or directly

- **Work on your own**

- Solve problems
- Save solutions
- Devise your own problems
- Try to solve them
- Practice as much as you can

Professionalism:

- **Respect the staff and your colleagues**

- Remember you are here because **YOU WANT TO BE HERE!**
- School of Electronic Engineering provides a professional environment for you to study (not play games, talk loud, chat, laugh, gossip, etc.)
- If you do not respect the staff and your colleagues **YOU WILL BE ASKED TO LEAVE!**

- **Be punctual**

- Be always on time!
- Excuses based on traffic, buses, trains, etc. are not acceptable
- If you are late, **YOU DO NOT ENTER** as you disturb your colleagues and the staff who were in time

- **During lab sessions**

- Sign the presence sheet provided at the beginning of each lab session
- Finish your exercise early enough to allow you to write and send the report before the end of the lab session