

CM307

Real-Time Computing & Embedded Systems

Examination 70%

Coursework 30%

Iain McNally

8 lectures (weeks 1-6)

2 exam questions

Dr. Denis Nicole

Laboratories (weeks 1-12)

12 lectures (weeks 7-12)

3 exam questions

Real-Time Computing & Embedded Systems

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- Content

- Introduction.
 - - real-time issues.
- Architecture review and interfacing.
- Interrupts, Traps and Event handling.
- Real-time clocks.

- Notes & Resources

- <http://www.ecs.soton.ac.uk/~bim/notes/rtc>
- <https://www.ecs.soton.ac.uk/notes/cm307>

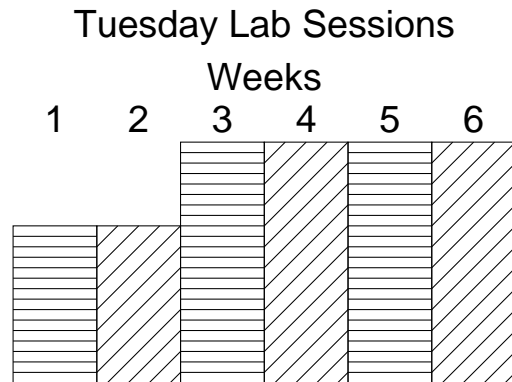
Real-Time Computing & Embedded Systems

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- Timetable

– Weeks 1-6

Monday	Tuesday	Wednesday	Thursday	Friday
				RTC Nuff F
	RTC Law 4003 / LAB			
	RTC LAB			
	RTC LAB			



Real-Time Computing & Embedded Systems

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- **Books** – to support coursework and lectures (weeks 1-6)
 - **The Art of Electronics** *chapters 11 & 12*
Paul Horowitz and Winfield Hill
Cambridge University Press 1989
 - **The C Programming Language** *or another book on C*
Brian Kernighan and Dennis Ritchie
Prentice-Hall
 - **Java in a Nutshell** *leading edge stuff!*
David Flanagan
O'Reilly 1997