

# Welcome and Introduction

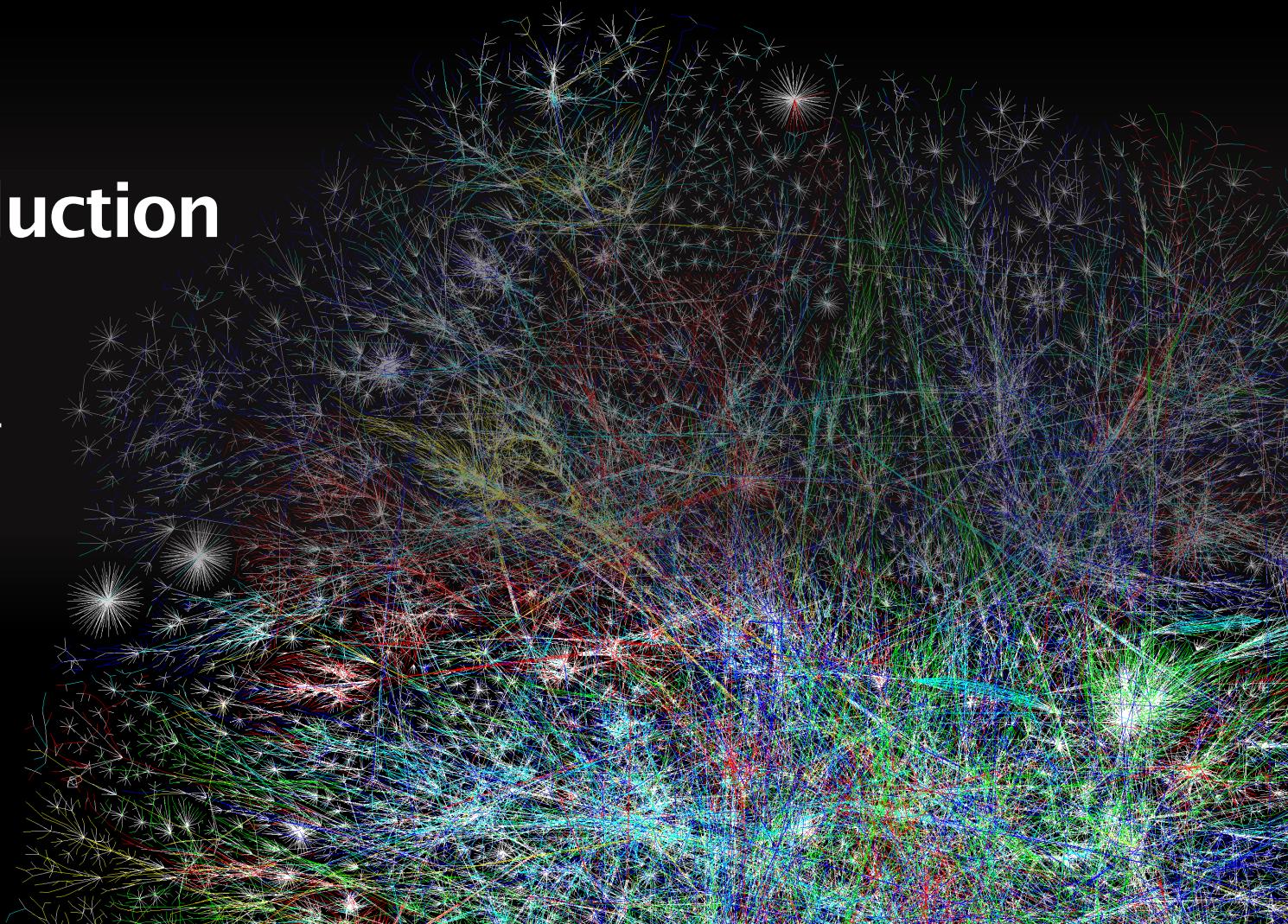
Professor Geoff Merrett

Dr Alex Weddell

Professor Mohammed Al-Hajjar

ELEC3227: Embedded Networked Systems

ELEC6255: IoT Networks



# WELCOME TO ELEC3227 AND ELEC6255



Geoff  
Merrett



Alex  
Weddell



Mohammed  
El-Hajjar  
(ELEC6255 only)

# IF YOU'RE NOT YET ON CAMPUS!

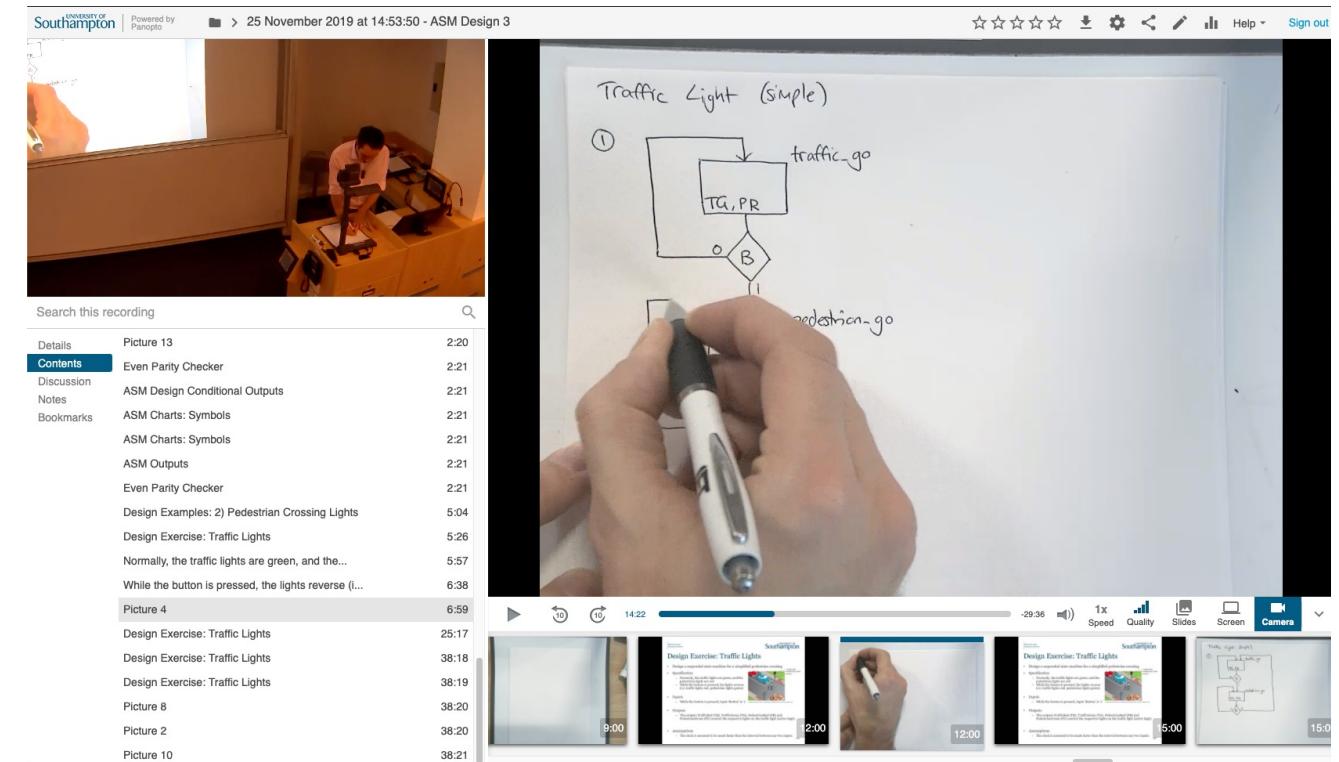
## Lecture Capture

1) All of the module's lectures will be recorded (*subject to the technology working!*)

2) These won't be live

- Therefore, if you have questions...
- ...please post them in the appropriate Q&A forum on Blackboard (more on this later)

3) Previous years have shown that lecture recordings are a very useful supplementary resource, but **not** a replacement for attending the lecture!



# MODULE AIMS/LEARNING OUTCOMES (ELEC3227)

**You will be able to demonstrate knowledge and understanding of:**

1. The principles of **layered networking models**
2. **Architectures and protocols** which enable IoT networking
3. Issues regarding the **security** of IoT networks
4. **ELEC3227:** The impact on protocol design on energy-consumption and **energy-efficiency**
  
5. Interpret **standardisation** documents
6. **Communicate** your technical work
  
7. **Balance the trade-offs** between performance and efficiency in networking protocols
8. **Select appropriate protocols** to meet application/QoS requirements
  
9. **ELEC3227: Design, implement and test** embedded networking protocols

# MODULE AIMS/LEARNING OUTCOMES (ELEC6255)

**You will be able to demonstrate knowledge and understanding of:**

1. The principles of **layered networking models**
2. **Architectures and protocols** which enable IoT networking
3. Issues regarding the **security** of IoT networks
4. **ELEC6255:** State-of-the-art **research directions** in networked IoT devices
  
5. Interpret **standardisation** documents
6. **Communicate** your technical work
7. **ELEC6255:** Find, read and evaluate **technical literature**
  
8. **Balance the trade-offs** between performance and efficiency in networking protocols
9. **Select appropriate protocols** to meet application/QoS requirements
  
10. **ELEC6255:** Use **simulation** to test and evaluate networking algorithms, protocols and architectures

# MODULE TOPICS

- Network architectures and principles
- Physical networks and their design
- Layered networking models:
  - ELEC6255: Physical layer principles and protocols (propagation, modulation & detection)
  - Data link layer principles and protocols
  - Network layer principles and protocols
  - Transport layer principles and protocols
  - Application layer principles and protocols
- Example network protocols and architectures
- ELEC3227: Network-on-Chip protocols
- ELEC3227: Energy and power efficiency
- Network security
- Emerging network technologies
- Standardisation of communication protocols

# ELEC3227 vs ELEC6255

**ELEC3227:** Embedded Networked Systems (UG Part III)

**ELEC6255:** IoT Networks (MSc)

## What's the same?

- Two lectures each week
- Two of the lecturers
- Some of the exam

## What's different?

- Some of the lectures (one slot/week)
- ELEC6255 has an extra lecturer
- Completely different labs and coursework
- Some of the exam

# MODULE TIMETABLE (ELEC3227)

| W3   | Mon 16th Oct  | Tue 17th Oct  | Wed 18th Oct | Thu 19th Oct  | Fri 20th Oct   |
|------|---|---|--------------|---|--|
| 9am  |   |   |              |   |  |
| 10am |   |   |              |   |  |
| 11am | ELEC3227/6255 L2<br>02 / 1085 (L/T/C)<br><b>draft</b> |   |              |   |  |
| 12pm |   |   |              |   |  |
| 1pm  |   |   |              |   |  |
| 2pm  |   |   |              | ELEC3227/6255 L1<br>02 / 1085 (L/T/C)<br><b>draft</b> | ELEC3227 C - Embedded<br>Networked Systems<br>59 / 2213 ECS Teaching Lab<br><b>draft</b> |
| 3pm  |   | ELEC3227 T - Embedded<br>Networked Systems<br>100 / 4011 (Harvard L/TB) |              |   |  |
| 4pm  |   |   |              |   |  |
| 5pm  |   |   |              |   |  |

# MODULE TIMETABLE (ELEC6255)

| W3   | Mon 16th Oct   | Tue 17th Oct   | Wed 18th Oct | Thu 19th Oct  | Fri 20th Oct |  |
|------|--|--|--------------|---|--------------|--|
| 9am  |  |  |              |   |              |  |
| 10am |  |  |              |   |              |  |
| 11am | ELEC3227/6255 L2<br>02 / 1085 (L/T/C)<br><b>Draft</b>      |  |              |   |              |  |
| 12pm |  | ELEC6255 T - IoT Networks<br>59 / 1257<br><b>draft</b> |              |   |              |  |
| 1pm  |  |  |              |   |              |  |
| 2pm  | ELEC6255 Lab - IoT Networks<br>59 / 3229 ECS Computing Lab |  |              | ELEC3227/6255 L1<br>02 / 1085 (L/T/C)<br><b>Draft</b> |              |  |
| 3pm  |  |  |              |   |              |  |
| 4pm  |  |  |              |   |              |  |
| 5pm  |  |  |              |   |              |  |

# ELEC3227: Embedded Networked Systems

| Week | w/c       | Day      | Time  | Location | Format  | Lecture   | ELEC3227                                     |  |
|------|-----------|----------|-------|----------|---------|-----------|--|--|
| 1    | 02-Oct-23 | Monday   | 11:00 | 02/1085  | Lecture | gvm       | Welcome to ELEC3227 and ELEC6255             |  |
|      |           | Tuesday  | 15:00 | 100/4011 | Lecture | gvm       | Introduction to Networking Protocols         |  |
|      |           | Thursday | 14:00 | 02/1085  | Lecture | gvm       | Data Link Layer 1                            |  |
| 2    | 09-Oct-23 | Monday   | 11:00 | 02/1085  | Lecture | gvm       | Data Link Layer 2                            |  |
|      |           | Tuesday  | 15:00 | 100/4011 | Lecture |           | <no lecture here>                            |  |
|      |           | Thursday | 14:00 | 02/1085  | Lecture | gvm       | Data Link Layer 3                            |  |
| 3    | 16-Oct-23 | Monday   | 11:00 | 02/1085  | Lecture | gvm       | Data Link Layer 4                            |  |
|      |           | Tuesday  | 15:00 | 100/4011 | Lecture | gvm       | Data Link Layer: Energy-Efficient Networking |  |
|      |           | Thursday | 14:00 | 02/1085  | Lecture | asw       | Network Layer 1                              |  |
|      |           | Friday   | 14:00 | 59/2213  | Lab     | ad        | Lab 1 - The RFM12B-S2 Radio Module           |  |
| 4    | 23-Oct-23 | Monday   | 11:00 | 02/1085  | Lecture | asw       | Transport Layer 1                            |  |
|      |           | Tuesday  | 15:00 | 100/4011 | Lecture | gvm       | Coursework Launch and Standardisation        |  |
|      |           | Thursday | 14:00 | 02/1085  | Lecture | asw       | Application Layer 1                          |  |
|      |           | Friday   | 14:00 | 59/2213  | Lab     | ad        | Lab 2 - Broadcasting Data                    |  |
| 5    | 30-Oct-23 | Monday   | 11:00 | 02/1085  | Lecture | asw       | Application Layer 2                          |  |
|      |           | Tuesday  | 15:00 | 100/4011 | Lecture |           | <no lecture here>                            |  |
|      |           | Thursday | 14:00 | 02/1085  | Lecture | asw       | Transport Layer 2                            |  |
|      |           | Friday   | 14:00 | 59/2213  | Lab     | ad        | Lab 3 - Protocol Layering                    |  |
| 6    | 06-Nov-23 | Monday   | 11:00 | 02/1085  | Lecture | asw       | Transport Layer 3                            |  |
|      |           | Tuesday  | 15:00 | 100/4011 | Lecture |           | <no lecture here>                            |  |
|      |           | Thursday | 14:00 | 02/1085  | Lecture | asw       | Transport Layer 4                            |  |
|      |           | Friday   | 14:00 | 59/2213  | Lab     |           | <no lab here>                                |  |
| 7    | 13-Nov-23 | Monday   | 11:00 | 02/1085  | Lecture | asw       | Network Layer 2                              |  |
|      |           | Tuesday  | 15:00 | 100/4011 | Lecture |           | <no lecture here>                            |  |
|      |           | Thursday | 14:00 | 02/1085  | Lecture | asw       | Network Layer 3                              |  |
|      |           | Friday   | 14:00 | 59/2213  | Lab     | gvm + asw | Coursework Review Meetings                   |  |
| 8    | 20-Nov-23 | Monday   | 11:00 | 02/1085  | Lecture |           | <no lecture here>                            |  |
|      |           | Tuesday  | 15:00 | 100/4011 | Lecture | asw       | Energy-Efficient Networking                  |  |
|      |           | Thursday | 14:00 | 02/1085  | Lecture | asw       | Network Layer 4                              |  |
| 9    | 27-Nov-23 | Monday   | 11:00 | 02/1085  | Lecture | asw       | Security 1                                   |  |
|      |           | Tuesday  | 15:00 | 100/4011 | Lecture |           | <no lecture here>                            |  |
|      |           | Thursday | 14:00 | 02/1085  | Lecture | asw       | Security 2                                   |  |
|      |           | Friday   | 14:00 | 59/2213  | Lab     | gvm + asw | Coursework Q&A Dropin                        |  |
| 10   | 04-Dec-23 | Monday   | 11:00 | 02/1085  | Lecture | gvm       | Local Area Networks 1                        |  |
|      |           | Tuesday  | 15:00 | 100/4011 | Lecture |           | <no lecture here>                            |  |
|      |           | Thursday | 14:00 | 02/1085  | Lecture | gvm       | Local Area Networks 2                        |  |
| 11   | 11-Dec-23 | Monday   | 11:00 | 02/1085  | Lecture | gvm       | IEEE 802.15.4                                |  |
|      |           | Tuesday  | 15:00 | 100/4011 | Lecture | gvm       | Network on Chip                              |  |
|      |           | Thursday | 14:00 | 02/1085  | Lecture | gvm       | Bluetooth                                    |  |
|      |           | Friday   | 14:00 | 59/2213  | Lab     | gvm + asw | Coursework Demonstrations                    |  |
| 15   | 08-Jan-24 | Monday   | 11:00 | 02/1085  | Lecture | gvm       | Revision                                     |  |
|      |           | Tuesday  | 15:00 | 100/4011 | Lecture | gvm + asw | Revision                                     |  |
|      |           | Thursday | 14:00 | 02/1085  | Lecture | asw       | Revision                                     |  |

# ELEC6255: IoT Networks

| Week | w/c       | Day      | Time  | Location | Format  | Lecture | ELEC6255   |  |
|------|-----------|----------|-------|----------|---------|---------|--|--|
| 1    | 02-Oct-23 | Monday   | 11:00 | 02/1085  | Lecture | gvm     | Welcome to ELEC3227 and ELEC6255                           |  |
|      |           | Tuesday  | 12:00 | 59/1257  | Lecture | gvm     | Introduction to Networking Protocols                       |  |
|      |           | Thursday | 14:00 | 02/1085  | Lecture | gvm     | Data Link Layer 1  |  |
| 2    | 09-Oct-23 | Monday   | 11:00 | 02/1085  | Lecture | gvm     | Data Link Layer 2  |  |
|      |           | Tuesday  | 12:00 | 59/1257  | Lecture | gvm     | Network Simulation, Standardisation, and Coursework Launch |  |
|      |           | Thursday | 14:00 | 02/1085  | Lecture | gvm     | Data Link Layer 3  |  |
| 3    | 16-Oct-23 | Monday   | 11:00 | 02/1085  | Lecture | gvm     | Data Link Layer 4  |  |
|      |           | Tuesday  | 14:00 | 59/3229  | Lab     | sa      | Lab 1 - Introduction to OMNeT++                            |  |
|      |           | Thursday | 12:00 | 59/1257  | Lecture | meh     | Wireless Communication                                     |  |
| 4    | 23-Oct-23 | Monday   | 11:00 | 02/1085  | Lecture | gvm     | Data Link Layer 4  |  |
|      |           | Monday   | 14:00 | 59/3229  | Lab     | gvm     | Reading Group [Note Room Different to Timetable]           |  |
|      |           | Tuesday  | 12:00 | 59/1257  | Lecture |         | <no lecture here>  |  |
| 5    | 30-Oct-23 | Monday   | 11:00 | 02/1085  | Lecture | asw     | Application Layer 1  |  |
|      |           | Monday   | 14:00 | 59/3229  | Lab     | sa      | Lab 2 - IoT Networks in OMNeT++                            |  |
|      |           | Tuesday  | 12:00 | 59/1257  | Lecture | meh     | Wireless Communication                                     |  |
| 6    | 06-Nov-23 | Monday   | 11:00 | 02/1085  | Lecture | asw     | Transport Layer 1  |  |
|      |           | Monday   | 14:00 | 59/3229  | Lab     | asw     | Reading Group [Note Room Different to Timetable]           |  |
|      |           | Tuesday  | 12:00 | 59/1257  | Lecture | gvm     | Coursework Support   |  |
| 7    | 13-Nov-23 | Monday   | 11:00 | 02/1085  | Lecture | asw     | Transport Layer 2  |  |
|      |           | Monday   | 14:00 | 59/3229  | Lab     | asw     | Transport Layer 3  |  |
|      |           | Tuesday  | 12:00 | 59/1257  | Lecture | meh     | Open Coursework Q&A Session                                |  |
|      |           | Thursday | 14:00 | 02/1085  | Lecture | asw     | Network Layer 2  |  |
| 8    | 20-Nov-23 | Monday   | 11:00 | 02/1085  | Lecture |         | <no lecture here>  |  |
|      |           | Monday   | 14:00 | 59/3229  | Lab     | xf      | Lab 3 - MATLAB   |  |
|      |           | Tuesday  | 12:00 | 59/1257  | Lecture | meh     | Wireless Communication                                     |  |
| 9    | 27-Nov-23 | Monday   | 11:00 | 02/1085  | Lecture | asw     | Network Layer 3  |  |
|      |           | Tuesday  | 15:00 | 100/4011 | Lecture |         | <no lecture here>  |  |
|      |           | Thursday | 14:00 | 02/1085  | Lecture | asw     | Security 1   |  |
|      |           | Friday   | 14:00 | 59/2213  | Lab     | sa      | Open Coursework Q&A Session                                |  |
| 10   | 04-Dec-23 | Monday   | 11:00 | 02/1085  | Lecture | gvm     | Security 2   |  |
|      |           | Monday   | 14:00 | 59/3229  | Lab     | sa      | Local Area Networks 1                                      |  |
|      |           | Tuesday  | 12:00 | 59/1257  | Lecture | meh     | Open Coursework Q&A Session                                |  |
| 11   | 11-Dec-23 | Monday   | 11:00 | 02/1085  | Lecture | asw     | Wireless Communication                                     |  |
|      |           | Monday   | 14:00 | 59/3229  | Lab     | gvm     | Local Area Networks 2                                      |  |
|      |           | Tuesday  | 12:00 | 59/1257  | Lecture | meh     | <no lecture here>  |  |
|      |           | Thursday | 14:00 | 02/1085  | Lecture | gvm     | IEEE 802.15.4  |  |
| 15   | 08-Jan-24 | Monday   | 11:00 | 02/1085  | Lecture | gvm     | Bluetooth  |  |
|      |           | Tuesday  | 12:00 | 59/1257  | Lecture | meh     | Reading Group [Note Room Different to Timetable]           |  |
|      |           | Thursday | 14:00 | 02/1085  | Lecture | asw     | Revision   |  |

# LEARNING RESOURCES

<https://secure.ecs.soton.ac.uk/notes>

Module Profile  
Q&A  
Contact Us  
  
Academic Skills Hub  
Library  
Microsoft 365  
Past Exam Papers  
Reading List  
Tools

Welcome to ELEC3227 - Embedded Networked Systems

You can find the draft schedule for the module on this page (note this is subject to change throughout the semester, so please refer back regularly).

Elsewhere on this Blackboard module (use the navigation bar on the left hand side), you can find the slides and/or handwritten notes we have presented during the lectures, the recordings of the lectures, and details of the labs and coursework associated with the module.

If you have a question, we'd encourage you to use the Q&A forums, where you can ask us both logistical (deadlines, lecture schedule, etc) and technical (questions about the material covered on the module) questions. It's likely that you're not the only person that has this question, and so this way everyone in the class gets to see our response too. Alternatively, our contact details are available on the 'Contact Us' page.

Geoff and Alex

Draft Module Schedule

| Week | w/c       | Day      | Time  | Location | Format  | Lecturer  | ELEC3227                                     |
|------|-----------|----------|-------|----------|---------|-----------|--|
| 1    | 02-Oct-23 | Monday   | 11:00 | 02/1085  | Lecture | gwm       | Welcome to ELEC3227 and ELEC6255             |
|      |           | Tuesday  | 15:00 | 100/4011 | Lecture | gwm       | Introduction to Networking Protocols         |
|      |           | Thursday | 14:00 | 02/1085  | Lecture | gwm       | Data Link Layer 1                            |
| 2    | 09-Oct-23 | Monday   | 11:00 | 02/1085  | Lecture | gwm       | Data Link Layer 2                            |
|      |           | Tuesday  | 15:00 | 100/4011 | Lecture | gwm       | <no lecture here>                            |
|      |           | Thursday | 14:00 | 02/1085  | Lecture | gwm       | Data Link Layer 3                            |
| 3    | 16-Oct-23 | Monday   | 11:00 | 02/1085  | Lecture | gwm       | Data Link Layer 4                            |
|      |           | Tuesday  | 15:00 | 100/4011 | Lecture | gwm       | Data Link Layer: Energy-Efficient Networking |
|      |           | Thursday | 14:00 | 02/1085  | Lecture | asw       | Network Layer 1                              |
| 4    | 23-Oct-23 | Monday   | 11:00 | 02/1085  | Lecture | asw       | Lab 1 - The RFM12B-52 Radio Module           |
|      |           | Tuesday  | 15:00 | 100/4011 | Lecture | gwm       | Transport Layer 1                            |
|      |           | Thursday | 14:00 | 02/1085  | Lecture | asw       | Coursework Launch and Standardisation        |
| 5    | 30-Oct-23 | Friday   | 14:00 | 59/2213  | Lab     | ad        | Application Layer 1                          |
|      |           | Monday   | 11:00 | 02/1085  | Lecture | asw       | Lab 2 - Broadcasting Data                    |
|      |           | Tuesday  | 15:00 | 100/4011 | Lecture | gwm       | Application Layer 2                          |
| 6    | 06-Nov-23 | Thursday | 14:00 | 02/1085  | Lecture | asw       | <no lecture here>                            |
|      |           | Friday   | 14:00 | 59/2213  | Lab     | ad        | Transport Layer 2                            |
|      |           | Monday   | 11:00 | 02/1085  | Lecture | asw       | Lab 3 - Protocol Layering                    |
| 7    | 13-Nov-23 | Tuesday  | 15:00 | 100/4011 | Lecture | gwm       | Transport Layer 3                            |
|      |           | Thursday | 14:00 | 02/1085  | Lecture | asw       | <no lecture here>                            |
|      |           | Friday   | 14:00 | 59/2213  | Lab     | ad        | Network Layer 2                              |
| 8    | 20-Nov-23 | Monday   | 11:00 | 02/1085  | Lecture | asw       | <no lecture here>                            |
|      |           | Tuesday  | 15:00 | 100/4011 | Lecture | gwm       | <no lecture here>                            |
|      |           | Thursday | 14:00 | 02/1085  | Lecture | asw       | Energy-Efficient Networking                  |
|      |           | Friday   | 14:00 | 59/2213  | Lab     | gwm + asw | Network Layer 3                              |
|      |           | Monday   | 11:00 | 02/1085  | Lecture | asw       | Coursework Review Meetings                   |
|      |           | Tuesday  | 15:00 | 100/4011 | Lecture | gwm       | <no lecture here>                            |
|      |           | Thursday | 14:00 | 02/1085  | Lecture | asw       | Network Layer 4                              |
|      |           | Friday   | 14:00 | 59/2213  | Lab     | gwm       | Security 1                                   |
|      |           | Monday   | 11:00 | 02/1085  | Lecture | asw       |  |

<https://blackboard.soton.ac.uk>  
*Let's try a live demo...*

# DELIVERY METHODS

## Lectures

- Delivering the core module material

## Coursework

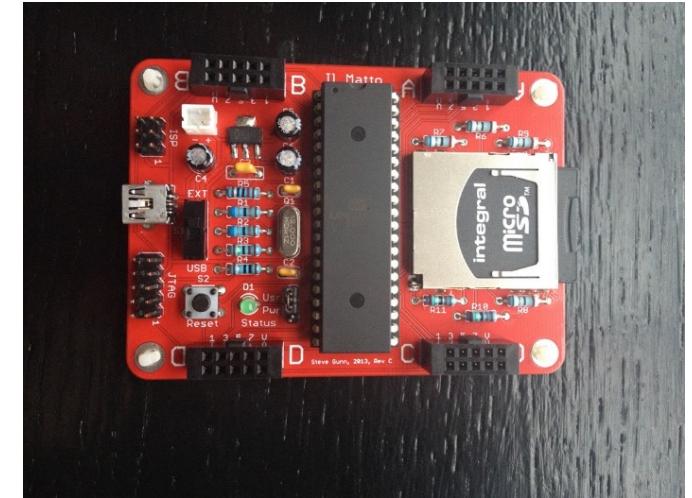
- **ELEC3227:** Hands-on experience of implementing embedded networked systems
- **ELEC6255:** Hands-on experience of simulating IoT networking

## Labs

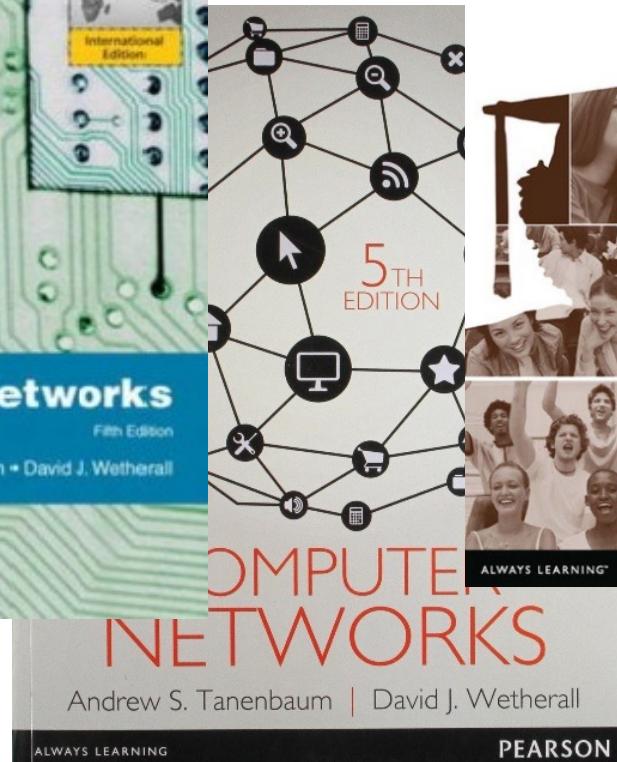
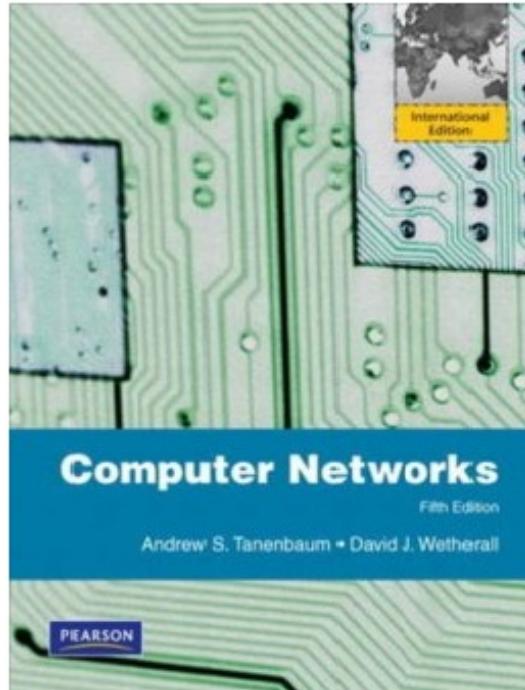
- Opportunity to ‘try out’ concepts, and prepare you for the coursework

## Reading Groups

- **ELEC6255:** Evaluating and discussing state-of-the-art research

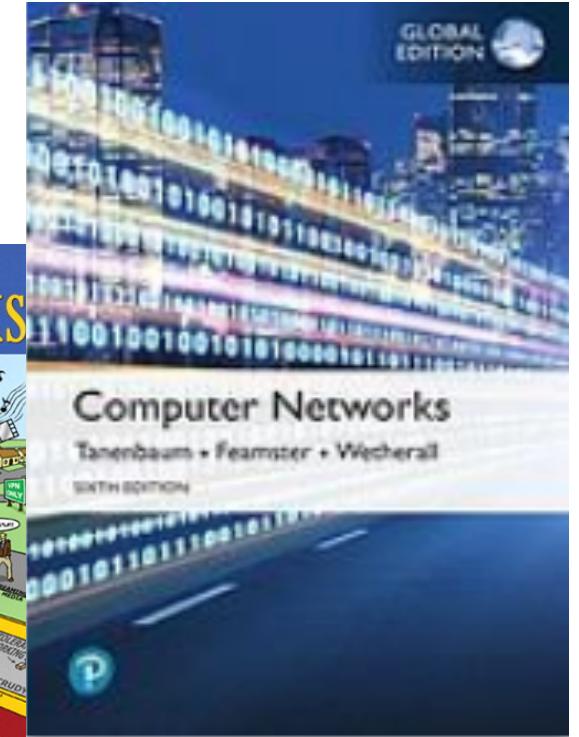
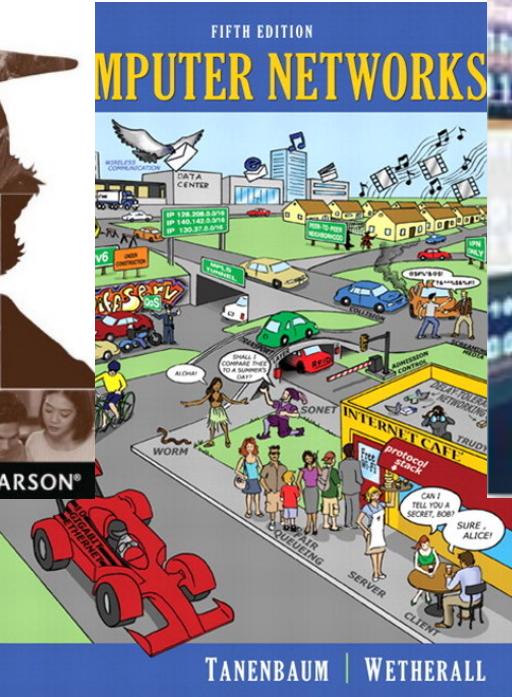


# TEXTBOOK



— Pearson New International Edition —

Computer Networks  
Andrew S. Tanenbaum David J. Wetherall  
Fifth Edition



+ Library + Web etc

[Back to Search Results](#)

Result 1 of 859

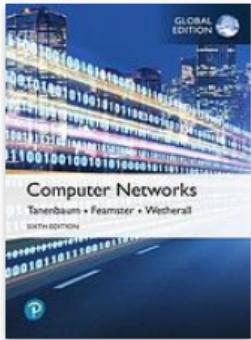


Cite

Share

Save

1



## Computer networks

Authors: [Andrew S. Tanenbaum 1944-](#) (Author), [Nick Feamster](#) (Author), [D. Wetherall \(David\)](#), (Author)

eBook 2021

Harlow, United Kingdom : Pearson Education, Limited, [2021].

Reading Lists

[ELEC6219 - Wireless and Mobile Networks](#)  
[ELEC6255 - IoT Networks](#)

More Author/Title Info:

Andrew S. [Tanenbaum](#), Vrije Universiteit, Amsterdam, The Netherlands; Nick Feamster, University of Chicago, Chicago, IL; David Weatherall, Google.

Physical Description:

1 online resource (xxii, 922 pages) : illustrations

Subjects:

*Library of Congress Subject Headings*

[Computer networks](#)

*Répertoire de Vedettes-Matière*

[Réseaux d'ordinateurs](#)

Notes (General):

Description based upon print version of record.

Additional Physical Form Entry:

Print version: [Computer Networks](#), [EBook](#), [Global Edition](#), [Tanenbaum](#)

Database:

WorldCat

▼ More Item Details

## Access Options

View eBook

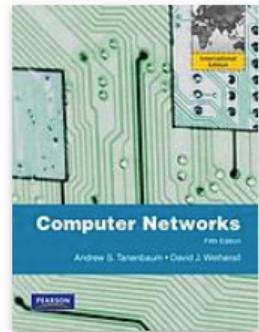
Report a Broken Link

Available

University of Southampton Library

Request from Libraries Worldwide

Create a request



## Computer networks

Authors: [Andrew S Tanenbaum 1944-](#)

Print Book ©2011, 5th ed., international ed.

Upper Saddle River, N.J. : Pearson Education International, ©2011.

Reading Lists

[COMP3210 - Advanced Computer Networks](#)  
[ELEC3227 - Embedded Networked Systems](#)

**Summary:** For courses titled Computer Networking or Introduction to Networking at both the undergraduate and graduate level in Computer Science, Engineering, CIS, MIS, and Business Departments. In this revision, the author takes a structured approach to explaining how networks function.

**More Author/Title Info:**

Andrew S. Tanenbaum, David J. Wetherall.

**Physical Description:**

xx, 951 pages : illustrations ; 24 cm

**Subjects:**

*Library of Congress Subject Headings*

[Computer networks](#)

*Répertoire de Vedettes-Matière*

[Réseaux d'ordinateurs](#)

[Show More ▾](#)

**University of Southampton Library**

**Notes:**

Previous ed.: 2003.

**Notes (General):**

Previous edition: 2003.

**Bibliography:**

Includes bibliographical references (pages 835-868) and index.

**Database:**

WorldCat

Cite

Share

Save

## Access Options

Available

University of Southampton Library

Hartley Library

Main Collection (Standard Loan)

TK5105.5 TAN

[141 Available at 1 Location](#)

[Click & Collect \(Hold\)](#)

Request from Libraries Worldwide

[Create a request](#)

# QUESTIONS AND SUPPORT

## Have a question during a lecture?

1) Raise your hand!

...or...

2) Talk to us at the end of the lecture

## Have an '*offline*' question?

Use the appropriate **Blackboard discussion board** (in the ‘Q&A’ section on Blackboard) to post your question.

- Make your question clear and concise
- Please use discussion boards to discuss! If you know the answer, please respond!

## ELEC6255: About OMNeT++?

- Use the timetabled “Open Coursework Q&A” sessions

# ASSESSMENT

**Activities primarily designed to award you a mark (*Summative assessment*)**

- **60%** Exam/end-of-semester assessment
- **40%** Coursework

**Activities primarily designed to help you learn (*Formative assessment*)**

- **0%** 3x Lab activities

**Referral policy**

- **by 100% examination**

# COURSEWORK

## ELEC6255 Coursework

- You can find last year's coursework document on Blackboard. There will be some changes, so don't start it yet!
- *Provisional* Dates
  - Launch: 10 October 2023
  - Report Deadline: 15 December 2023
  - Feedback: 12 January 2023

## ELEC3227 Coursework

- You can find last year's coursework document on Blackboard. There will be some changes, so don't start it yet!
- *Provisional* Dates
  - Launch: 24 October 2023
  - Demonstrations: 15 December 2023
  - Report Deadline: 08 January 2024\*
  - Feedback: 29 January 2024

\*if you would prefer, we could have move the report deadline to 15 December. Let's vote...

# FEEDBACK

## Practical Lab Sessions

- You get feedback during the lab

## Coursework

- **ELEC3227:** We will meet with you and provide feedback at ‘milestones’
- **ELEC6255:** You have “Open Coursework Q&A Sessions” for support
- You will receive written feedback on your submitted report
- You will receive a mark for the coursework

## Exam/End-of-Semester Assessment

- Purely summative (you’ll receive a mark)

# YOUR QUESTIONS

UNIVERSITY OF  
Southampton