# LAN Switching (, Routing) and Wireless

**Autumn 2024** — Brightspace Login:

| Week No | Week Commencing | Theory | Practical | CA/100% | |
|---|---|---|---|---|---|
| 1 | 17th Sept | Lecture 1 - Module Introduction & Revision | Lab 0 - Revision HW VLANs | Labs 30%, | Grouped Netacad Exams x 4 (10%) |
| 2 | 24th Sept | Lecture 2 - Spanning Tree Protocol (STP) | Lab 1 - Investigate STP Operation | PT | Topic 5&6 - Redundant Networks |
| 3 | 1st Oct | Lecture 3 - Etherchannel | Lab 2 - Implement EtherChannel | HW | Topics 10-13 - L2 Security and WLANs |
| 4 | 8th Oct | Lecture 4 - LAN Security Concepts | Lab 3 - Port Security | PT | Topics 14-16 - Routing with Static Routes |
| 5 | 15th Oct | Lecture 5 - Switch Security Configuration | Lab 4 - Switch Security | HW | Topics 1-2 (ENSA) - OSPF Concepts and Configs |
| 6 | 22nd Oct | Lecture 6 - WLAN Concepts | Lab 5 - Basic WLAN | **PT** | |
| | **28h Oct** | **Student Reading / Revision Week** | | | |
| 7 | 5th of Nov | Lecture 7 - WLAN Configuration | Lab 6 - Advanced WLAN Configuration | PT | |
| 8 | 12th of Nov | Lecture 8 - HSRP & Static Routes - IPv4 and IPv6 | Lab 7 - HSRP & Static Routes | HW | |
| 9 | 19th of Nov | Lecture 9 - Troubleshoot Static and Default Routes | Lab 8 - TS Static and Default Routes | PT | |
| 10 | 26th of Nov | Lecture 10 - Single-Area OSPFv2 Concepts | Lab 9 - Single-Area OSPFv2 | PT | |
| 11 | 3rd of Dec | Lecture 11 - Advanced OSPF | Lab 10 - Advanced OSPFv2 | HW | |
| 12 | 10th of Dec | CA1 - Theory Test During Lecture - 30% | | | |
| | 17th of Dec | **Christmas Break** | | | |
| | 24th of Dec | | | | |
| | 2nd Jan | CA2 - Skills Exam 30% (details closer to the time) | | | |
| | 10th of Jan | CA2 - Skills Exam 30% (details closer to the time) | | | |