Course Information

📄 **Acknowledgement of Country**

📄 **About this course**

📄 **Assessment Overview**

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📄 **Student Experience of Learning and Teaching**

📄 **Student Wellbeing and Support**

🔗 **Course Outline (Undergraduate)**

🔗 **Course Outline (Postgraduate)**

💬 **Course Admin: Q&A Forum**

Week 1: Security and Software Development Lifecycle

Seminar Session 1

📎 **SSE_LEC1_Security and Software Development Lifecycle.pdf**

- 📎 **Defining_a_Discipline_SoftwareSecurity_Chapter1.docx**

- 📎 **Microsoft SDL_Version 5.2.docx**

- 📎 **ssdf-for-mitigating-risk-of-software-vulns-draft.pdf**

- 📎 **CyBOK-version-1.0.pdf**

▾ **Week 2**

Seminar Session 2

- 📎 **SSE_S2_SS2_cvss-specification.pdf**

- 📎 **SSE_LEC2_Software_Vulnerabilities_Prediction_and_Assessment.pdf**

Working Session 1

- 📎 **WS1_SSE2025.pdf**

- 📎 **GitPython_tutorial.ipynb**

- 📎 **nvd_sv.zip**

- 📎 **sv_analysis.ipynb**

- 📎 **SQL_Injection_demo.py**

- 📎 **OScommand_Injection_demo.py**

Assignment

📝 **Assignment 1**
5 Oct   15 pts

Group Project

📎 **Home Services .pdf**

▾ **Week 3**

Seminar Session 3

📎 **SSE_LEC3_Software_Security_Requirements.pdf**

▾ **Week 4**

Seminar Session 4

📎 **SSE_LEC4_Secure_Coding_I.pdf**

Working Session 2

📎 **Code_Injection_demo.py**

📎 **WS2_SSE_2025.pdf**

🚀 **Quiz 1**

30 Sep   5 pts

▾ Week 5

Seminar Session 5

⚯ **SSE_LEC5_Secure_Coding_II.pdf**

⚯ **Threat Modelling with Stride and UML_Steps.pdf**

⚯ **EMC_ThreatModeling_Approach.pdf**

📝 **Assignment 2**
26 Oct   15 pts

▾ Week 6

Seminar Session 6

⚯ **SSE_LEC6_Secure_Coding_III.pdf**

Working Session 3

⚯ **WS3_SSE2025.pdf**

⚯ **buffer_overflow.html**

⚯ **use_after_free.html**

Quiz

🚀 **Quiz 2**
14 Oct   5 pts

▾ Week 7

Seminar Session 7

Deepak is an experienced Telecommunications and Network Engineer with over a decade of industry experience in network security and cyber risk management. He's joining us as a guest speaker to share valuable industry insights and career advice for you :)

🔗 **Software_Security_and_Program_Analysis -Deepak.pdf**

Group Project

🔗 **Home Services .pdf**

📝 **Group Project Report**
30 Nov   14 pts

📝 **Individual Reflection**
1 Dec   12 pts

📝 **Project Demo & Presentation**
30 Nov   14 pts

▾ Week 8

Seminar Session 8

📎 **SSE_LEC7_Code_Review.pdf**

📎 **Static Analysers.pdf**

Working Session 4

📎 **WS4_SSE2025.pdf**

Assignment

📝 **Assignment 3**
23 Nov   15 pts

Quiz

🚀 **Quiz 3**
28 Oct   5 pts

▾ **Week 9**

Seminar Session 9

📎 **SSE_LEC9_Introduction_to_Fuzzing.pdf**

▾ **Week 10**

Seminar Session 10

📎 **SSE_LEC10_Penetration_Testing.pdf**

Working Session 5

📎 **WS5_SSE2025.pdf**

Assignment

📝 **Assignment 3**
23 Nov   15 pts

▾ **Week 11**

Seminar Session 11

📎 **SSE_LEC11_DevSecOps.pdf**

▾ **Week 12**

Seminar Session 12

📎 **SSE_LEC12_Trends_In_Fuzzing.pdf**

Working Session 6

📎 **WS6_SSE2025.pdf**

Quiz

Quiz 4

25 Nov   5 pts