MSc (FHEQ Level 7) 2024-25

MSc Civil Engineering - January Coordinator: Prof Y Feng

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| **Jan-June 24-25** | **Sept-Jan 25-26** |
| **EG-M190**  **Social, environmental and economic context of research**  **10 Credits**  **TBC**  **CORE** | **EG-M24**  **Advanced Structural Design**  **10 Credits**  **Miss X Yin**  **CORE** |
| **EG-M47 Business leadership for Engineers**  **10 credits**  **CORE** | **EG-M25**  **Advanced Structural Analysis**  **10 Credits**  **Prof EA De Souza Neto**  **CORE** |
| **EG-M35**  **Flood Risk Management**  **10 Credits**  **Dr Y Xuan/Prof HU Karunarathna**  **CORE** | **EGTM79**  **Sustainability and Environmental Assessment**  **10 Credits**  **CORE** |
| **EG-M52**  **Strategic Engineering Management**  **10 Credits**  **Mr Lloyd Hamilton**  **CORE** |  |
| **EGIM08**  **Plasticity in Structural and Geotechnical Engineering 10 Credits**  **Prof D Peric**  **CORE** |  |
| **Dissertation July–September 25-26** | |
| **EG-D04**  **MSc Dissertation**  **60 Credits** | |
| **Total 140 Credits** | |

**Optional Modules**

Choose exactly 10 credits:

Swansea University Civil BEng Graduates, and any other students with a high level of past taught experience of Coastal Engineering should select EG-M87. Students without past taught experience of Coastal Engineering should select EG-M107

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| **EG- M107** | Coastal Processes and Engineering | Prof HU Karunarathna/Prof DE Reeve | TB1 | 10 – **CORE** |
| **EG-M87** | Coastal Engineering | Prof DE Reeve | TB1 | 10 – **CORE** |

**AND**

Choose exactly 10 credits:

Swansea University Civil BEng Graduates, and any other students with a high level of past taught experience of Finite Element Analysis should select EG-M23. Students without past taught experience of Finite Element Analysis should select EG-M92

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| **EG-M23** | Finite Element Computational Analysis | Dr R Sevilla | TB1 | 10 – **CORE** |
| **EG-M92** | Finite Elements for Civil Engineers | Prof EA De Souza Neto | TB1 | 10 – **CORE** |

**AND**

Choose exactly 10 credits:

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| **EG-M38** | **Design and Analysis for Temporary Works** | **Sept-Jan 25-26** | **10** |
| **EGIM07** | **Dynamics and Earthquake Analysis of Structures** | **Sept-Jan 25-26** | **10** |

**AND**

Choose exactly 10 credits:

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| **EGEM07** | **Fluid-Structure Interaction** | **Jan-June 24-25** | **10** |
| **EGEM00** | **Transportation Engineering** | **Jan-June 24-25** | **10** |