

## Mechanical & Aerospace Engineering – Exchange Student Class Information

### Class Syllabuses 2024/25

(R) = Registrar in charge of class.

Past exams papers (hard and electronic copies) can be found in the University Library.

[Past Exam Papers](#)

Module Description Forms contain comprehensive up-to-date information on all classes including assessment procedures and can be found on the Departmental website at [Module Descriptors](#) under “Further Information”.

### 1<sup>st</sup> YEAR CLASSES

#### **16110 Energy and the Environment – 5 ECTS**

Semester 1: Dr William Dempster (R)

[william.dempster@strath.ac.uk](mailto:william.dempster@strath.ac.uk)

### 2<sup>nd</sup> YEAR CLASSES

#### **16231 (\*ME207, ME213) Flight and Spaceflight – 5 ECTS**

Semester 1 and 2: Dr Marco Fossati (R)

[marco.fossati@strath.ac.uk](mailto:marco.fossati@strath.ac.uk)

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| *NB: Alternative codes for exchange students: ME207 Sem 1, ME213 Sem 2 (2.5 ECTS) |
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#### **16232 Engineering Mechanics 2 - 10 ECTS**

Semester 1 and 2: Dr Reda Felfel (R)

[reda.felfel@strath.ac.uk](mailto:reda.felfel@strath.ac.uk)

#### **16259 Aero-Design 1 - 5 ECTS**

Semester 2: Dr Edmondo Minisci (R)

[edmondo.minisci@strath.ac.uk](mailto:edmondo.minisci@strath.ac.uk)

#### **16263 (\*ME215, ME216) Automotive Systems 1 – 5 ECTS**

Semester 1 and 2: Mr Cameron Johnstone (R)

[cameron.johnstone@strath.ac.uk](mailto:cameron.johnstone@strath.ac.uk)

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| *NB: Alternative codes for exchange students: ME215 Sem 1, ME216 Sem 2 (2.5 ECTS) |
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#### **16294 Energy Systems 1 – 5 ECTS**

Semester 1 and 2: Mr Cameron Johnstone (R)

[cameron.johnstone@strath.ac.uk](mailto:cameron.johnstone@strath.ac.uk)

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| *NB: Alternative codes for exchange students: ME218 Sem 1, ME219 Sem 2 (2.5 ECTS) |
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#### **ME203 (\*ME204, ME205) Heat and Flow 2 - 10 ECTS**

Semester 1 and 2: Dr Umer Saleem (R)

[umer.saleem@strath.ac.uk](mailto:umer.saleem@strath.ac.uk)

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| *NB: Alternative codes for exchange students: ME204 Sem 2, ME205 Sem 1 (5 ECTS) |
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#### **ME209 Mathematical Modelling and Analysis - 10 ECTS**

Semester 1 and 2: Dr Edmondo Minisci (R)

[edmondo.minisci@strath.ac.uk](mailto:edmondo.minisci@strath.ac.uk)

#### **ME212 Materials Engineering and Design – 5 ECTS**

Semester 1 and 2: Dr Andrew McLaren

[andrew.mclaren@strath.ac.uk](mailto:andrew.mclaren@strath.ac.uk)

### 3<sup>rd</sup> YEAR CLASSES

**16327 Structural Mechanics – 5 ECTS**

Semester 1: Prof David Nash (R)

[d.nash@strath.ac.uk](mailto:d.nash@strath.ac.uk)**16361 (\*ME305, 16318) Dynamics & Control – 10 ECTS**

Semester 1 and 2: Mr Daniel Johnston (R)

[daniel.johnston.100@strath.ac.uk](mailto:daniel.johnston.100@strath.ac.uk)

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| *NB: Alternative codes for exchange students: ME305 Sem 1, 16318 Sem 2 (5 ECTS) |
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**16363 (\*16366, 16367) Engineering Analysis 3 - 10 ECTS**

Semester 1 and 2: Prof Donald Mackenzie(R)

[d.mackenzie@strath.ac.uk](mailto:d.mackenzie@strath.ac.uk)

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| *NB: Alternative codes for exchange students: 16366 Sem 1, 16367 Sem 2 (5 ECTS) |
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**ME301 (\*ME302, ME303) Heat and Flow 3 - 10 ECTS**

Semester 1 and 2: Dr Emad Chaparian

[emad.chaparian@strath.ac.uk](mailto:emad.chaparian@strath.ac.uk)

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| *NB: Alternative codes for exchange students: ME302 Sem 1, ME303 Sem 2 (5 ECTS) |
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**ME310 Professional Responsibilities – 5 ECTS**

Semester 2 Dr Ross Minty (R)

[ross.f.minty@strath.ac.uk](mailto:ross.f.minty@strath.ac.uk)**ME311 Business Analysis in Engineering – 5 ECTS**

Semester 1 Dr Emma Henderson (R)

[e.henderson@strath.ac.uk](mailto:e.henderson@strath.ac.uk)**4<sup>th</sup> YEAR CLASSES****16402 Case Studies in Engineering – 5 ECTS**

Semester 1: Mr Cameron Johnstone (R)

[cameron.johnstone@strath.ac.uk](mailto:cameron.johnstone@strath.ac.uk)**16429 Computer Aided Engineering Design - 10 ECTS**

Semester 1 and 2: Prof Marcello Lappa (R)

[marcello.lappa@strath.ac.uk](mailto:marcello.lappa@strath.ac.uk)**ME403 (\*ME406, ME418) Engineering Materials Selection – 5 ECTS**

Semester 1 and 2: Prof Bradley Wynne (R)

[bradley.wynne@strath.ac.uk](mailto:bradley.wynne@strath.ac.uk)

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| *NB: Alternative codes for exchange students: ME406 Sem 1, ME418 Sem 2 (2.5 ECTS) |
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**ME404 Energy Systems Modelling – 5 ECTS**

Semester 2: Dr Daniel Cóstola (R)

[daniel.costola@strath.ac.uk](mailto:daniel.costola@strath.ac.uk)**ME405 Heat and Flow 4 – 5 ECTS**

Semester 1 and 2: Dr Paolo Capobianchi

[paolo.capobianchi@strath.ac.uk](mailto:paolo.capobianchi@strath.ac.uk)**ME414 (\*16415) Advanced Mechanics & Dynamics - 10 ECTS**

Semester 1 and 2: Dr Jinglang Feng (R)

[jinglang.feng@strath.ac.uk](mailto:jinglang.feng@strath.ac.uk)

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| *NB: Alternative code for exchange students: 16415 Sem 1 (5 ECTS) |
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**5<sup>th</sup> YEAR CLASSES****16565 Engineering Composites – 5 ECTS**

Semester 2: Dr Ross Minty (R)

[ross.f.minty@strath.ac.uk](mailto:ross.f.minty@strath.ac.uk)**16587 Pressurised Systems – 5 ECTS**

Semester 1: Prof David Nash (R)

[d.nash@strath.ac.uk](mailto:d.nash@strath.ac.uk)**16599 Aerodynamic Propulsion Systems – 5 ECTS**

Semester 2: Prof Matthew Cartmell

[matthew.cartmell@strath.ac.uk](mailto:matthew.cartmell@strath.ac.uk)**ME512 Spaceflight Mechanics – 5 ECTS**

Semester 1: Prof Massimiliano Vasile (R)

[massimiliano.vasile@strath.ac.uk](mailto:massimiliano.vasile@strath.ac.uk)

**ME514 Advanced Topics in Fluid Systems Engineering – 5 ECTS**

Semester 1: Dr Paolo Capobianchi (R)

[paolo.capobianchi@strath.ac.uk](mailto:paolo.capobianchi@strath.ac.uk)**ME517 Spaceflight Systems – 5 ECTS**

Semester 2: Prof Massimiliano Vasile (R)

[massimiliano.vasile@strath.ac.uk](mailto:massimiliano.vasile@strath.ac.uk)**ME526 Engineering Plasticity – 5 ECTS**

Semester 1: Prof Donald Mackenzie (R)

[d.mackenzie@strath.ac.uk](mailto:d.mackenzie@strath.ac.uk)**ME527 Introduction to Engineering Optimisation – 5 ECTS**

Semester 2: Dr Edmondo Minisci (R)

[edmondo.minisci@strath.ac.uk](mailto:edmondo.minisci@strath.ac.uk)**ME528 Control Systems Design – 5 ECTS**

Semester 1: Prof Matthew Cartmell (R)

[matthew.cartmell@strath.ac.uk](mailto:matthew.cartmell@strath.ac.uk)**POSTGRADUATE CLASSES**

These can be taken by students who are in their 4<sup>th</sup> or 5<sup>th</sup> year of studies

**ME919 Electrical Power Systems – Online Course – 5 ECTS**

Semester 1: Dr Nick Kelly (R)

[nick@esru.strath.ac.uk](mailto:nick@esru.strath.ac.uk)**ME923 Gas and Steam Turbines – Online Course – 5 ECTS**

Semester 2: Dr William Dempster (R)

[william.dempster@strath.ac.uk](mailto:william.dempster@strath.ac.uk)**ME926 Nuclear Power Systems – Online Course – 5 ECTS**

Semester 2: Dr Paul Tuohy (R)

[paul.tuohy@strath.ac.uk](mailto:paul.tuohy@strath.ac.uk)**ME927 Energy Resources and Policy – 5 ECTS**

Semester 1: Dr Nicolas Kelly (R)

[nick@esru.strath.ac.uk](mailto:nick@esru.strath.ac.uk)**ME928 Energy Systems Analysis – 5 ECTS**

Semester 1: Dr Paul Tuohy (R)

[paul.tuohy@strath.ac.uk](mailto:paul.tuohy@strath.ac.uk)**ME929 Electrical Power Systems – 5 ECTS**

Semester 1: Dr Nicolas Kelly (R)

[nick@esru.strath.ac.uk](mailto:nick@esru.strath.ac.uk)**ME930 Energy Modelling and Monitoring – 5 ECTS**

Semester 1: Dr Daniel Cóstola (R)

[daniel.costola@strath.ac.uk](mailto:daniel.costola@strath.ac.uk)**ME946 Pressurised Systems – Online Course - 5 ECTS**

Semester 1: Prof David Nash

[d.nash@strath.ac.uk](mailto:d.nash@strath.ac.uk)**ME953 Engineering Artificial Environments – 5 ECTS**

Semester 2: Dr Nicolas Kelly (R)

[nick@esru.strath.ac.uk](mailto:nick@esru.strath.ac.uk)

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| Module Descriptors for all of the above classes can be found at <a href="#">Module Descriptors</a><br>under "Further Information" |
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