

**Swinburne University of Technology**  
**Faculty of Engineering and Industrial Sciences**

| Unit Code         | Unit Title                                    | Convenor   | Location | Convenor #Ext   | Convenor email   |
|-------------------|---|--|----------|-----------------|--|
| <b>HED400</b>     | Professional Experience in Engineering        | Dr Pio Iovenitti,<br>Richard Manasseh (acting)           |          | # 8262<br>#8929 | <a href="mailto:piovenitti@swin.edu.au">piovenitti@swin.edu.au</a><br><a href="mailto:rmanasseh@swin.edu.au">rmanasseh@swin.edu.au</a> |
| <b>HEF1000</b>    | Professional Engineering                      | Dr Mahdi Miri Disfani (Sem1)<br>Dr Shirley Gato-Trinidad | ATC743   | #4943<br>#8237  | <a href="mailto:sgatotrinidad@swin.edu.au">sgatotrinidad@swin.edu.au</a>   |
| <b>HES0000</b>    | Careers in the Curriculum                     | Louise Gravina   |          | # 5989          | <a href="mailto:lgravina@swin.edu.au">lgravina@swin.edu.au</a>   |
| <b>HES0000-OL</b> | Careers in the Curriculum                     | Ms Tonya Wimhurst  |          | # 5989          | <a href="mailto:twimhurst@swin.edu.au">twimhurst@swin.edu.au</a>   |
| <b>HES1101</b>    | Climate Change                                | Dr Wayne Rowlands  |          | # 8142          | <a href="mailto:wrowlands@swin.edu.au">wrowlands@swin.edu.au</a>   |
| <b>HES1105</b>    | Civil Engineering Project                     | Dr Arul Arulrajah  | ATC723   | #5741           | <a href="mailto:aarulrajah@swin.edu.au">aarulrajah@swin.edu.au</a>   |
| <b>HES1115</b>    | Sustainable Design                            | Scott Rayburg  | ATC729   | # 4944          | <a href="mailto:srayburg@swin.edu.au">srayburg@swin.edu.au</a>   |
| <b>HES1125</b>    | Mechanics of Structures                       | Prof John Wilson   |          | # 4882          | <a href="mailto:jwilson@swin.edu.au">jwilson@swin.edu.au</a>   |
| <b>HES1230</b>    | Materials and Processes                       | Mr Aaron Blicblau  | ATC840   | 92148531        | <a href="mailto:ablicblau@swin.edu.au">ablicblau@swin.edu.au</a>   |
| <b>HES1300</b>    | Robotics & Mechatronics Project 1             | Prof Zhihong Man   |          | # 5175          | <a href="mailto:zman@swin.edu.au">zman@swin.edu.au</a>   |
| <b>HES1305</b>    | Robotics & Mechatronics Project 2             | Jinchuan Zheng   | ATC824   | # 4335          | <a href="mailto:jzheng@swin.edu.au">jzheng@swin.edu.au</a>   |
| <b>HES1900A</b>   | Private Pilot Licence Theory                  | Nakita Anderson (OAA)                                    |          | 9580-6566       | <a href="mailto:nakita.anderson@oaa.com">nakita.anderson@oaa.com</a>   |
| <b>HES1906A</b>   | Commercial Pilot Licence Theory 1             | Nakita Anderson (OAA)                                    |          | 9580-6566       | <a href="mailto:nakita.anderson@oaa.com">nakita.anderson@oaa.com</a>   |
| <b>HES1910</b>    | Human Factors And Communication               | Dr David Newman  | EN706A   | #8630           | <a href="mailto:dgnewman@swin.edu.au">dgnewman@swin.edu.au</a>   |
| <b>HES1915A</b>   | Human Performance and Limitations in Aviation | Dr David Newman  | EN706A   | #8630           | <a href="mailto:dgnewman@swin.edu.au">dgnewman@swin.edu.au</a>   |

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|---|--|-----------------------|----------|---------------|--|
| <b>HES1920A</b>                         | Private Pilot Theory for Managers          | Dr Peter Bruce        | EN706B   | #8507         | <a href="mailto:trevor.thom@oaa.com">trevor.thom@oaa.com</a>         |
| <b>HES1925<br/>(New)</b>                | Aviation Marketing                         | Mr Stephen Fankhauser | EN704    | #5259         | <a href="mailto:sfankhauser@swin.edu.au">sfankhauser@swin.edu.au</a> |
| <b>HES1935</b>                          | Internal Combustion & Gas Turbine Engines  | Mr Stephen Fankhauser | EN704    | #5259         | <a href="mailto:sfankhauser@swin.edu.au">sfankhauser@swin.edu.au</a> |
| <b>HES1945</b>                          | Aircraft Electrics & Avionics              | Mr Stephen Fankhauser | EN704    | #5259         | <a href="mailto:sfankhauser@swin.edu.au">sfankhauser@swin.edu.au</a> |
| <b>HES1950</b>                          | Private Pilot Licence Practicum            | Mr Vincent Khoo (OAA) | External | 8587 3945     | <a href="mailto:vincent.khoo@oaa.com">vincent.khoo@oaa.com</a>       |
| <b>HES1951</b>                          | Private Pilot Licence Additional Practicum | Mr Vincent Khoo (OAA) | External | 8587 3945     | <a href="mailto:vincent.khoo@oaa.com">vincent.khoo@oaa.com</a>       |
| <b>HES1955</b>                          | Commercial Pilot Licence Practicum 1       | Mr Vincent Khoo (OAA) | External | 8587 3945     | <a href="mailto:vincent.khoo@oaa.com">vincent.khoo@oaa.com</a>       |
| <b>HES1955JQ<br/>(Reinstating Unit)</b> | Commercial Pilot Licence Practicum 1JQ     | Mr Vincent Khoo (OAA) | External | 8587 3945     | <a href="mailto:vincent.khoo@oaa.com">vincent.khoo@oaa.com</a>       |
| <b>HES1955T<br/>(New Code)</b>          | Commercial Pilot Licence Practicum 1T      | Mr Vincent Khoo (OAA) | External | 8587 3945     | <a href="mailto:vincent.khoo@oaa.com">vincent.khoo@oaa.com</a>       |
| <b>HES2120</b>                          | Structural Mechanics                       | Dr Tracy Dong Ruan    |          | # 8258        | <a href="mailto:druan@swin.edu.au">druan@swin.edu.au</a>             |
| <b>HES2125</b>                          | Design Of Concrete Structures              | A/Prof Emad Gad       | ATC735   | 92148210      | <a href="mailto:egad@swin.edu.au">egad@swin.edu.au</a>               |
| <b>HES2131</b>                          | Topographical Engineering                  | Dr Julia Lamborn      | ATC716   | #8344         | <a href="mailto:jlamborn@swin.edu.au">jlamborn@swin.edu.au</a>       |
| <b>HES2136</b>                          | Road Engineering                           | Dr Rayya Hassan       |          | # 8284        | <a href="mailto:rahassan@swin.edu.au">rahassan@swin.edu.au</a>       |

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|-----------------|---|-----------------------|----------|---------------|--|
| <b>HES2146C</b> | Computer Aided Engineering                | Dr Julia Lamborn      | ATC716   | #8344         | <a href="mailto:jlamborn@swin.edu.au">jlamborn@swin.edu.au</a>       |
| <b>HES2146M</b> | Computer Aided Engineering                | Dr Soullis Tavrou     |          | # 8821        | <a href="mailto:stavrou@swin.edu.au">stavrou@swin.edu.au</a>         |
| <b>HES2155</b>  | Geomechanics                              | Mr Robert Evans       |          | # 8233        | <a href="mailto:robertevans@swin.edu.au">robertevans@swin.edu.au</a> |
| <b>HES2281</b>  | Materials and Manufacturing 1             | Mr Yat Choy Wong      |          | # 8735        | <a href="mailto:ywong@swin.edu.au">ywong@swin.edu.au</a>             |
| <b>HES2310</b>  | Machine Dynamics 1                        | Dr Jamal Naser        | ATC842   | #8655         | <a href="mailto:jnaser@swin.edu.au">jnaser@swin.edu.au</a>           |
| <b>HES2330</b>  | Thermodynamics 1                          | Dr Akbar Rhamdhani    | ATC844   | #8528         | <a href="mailto:arhamdhani@swin.edu.au">arhamdhani@swin.edu.au</a>   |
| <b>HES2340</b>  | Fluid Mechanics 1                         | Prof Yos Morsi        |          | # 8646        | <a href="mailto:ymorsi@swin.edu.au">ymorsi@swin.edu.au</a>           |
| <b>HES2901A</b> | Commercial Pilot Licence Theory 2         | Nakita Anderson (OAA) |          | 9580-6566     | <a href="mailto:nakita.anderson@oaa.com">nakita.anderson@oaa.com</a> |
| <b>HES2906A</b> | Air Transport Pilot Licence Theory 1      | Nakita Anderson (OAA) |          | 9580-6566     | <a href="mailto:nakita.anderson@oaa.com">nakita.anderson@oaa.com</a> |
| <b>HES2910A</b> | Human Factors and Performance in Aviation | Dr David Newman       | EN706A   | #8630         | <a href="mailto:dnewman@swin.edu.au">dnewman@swin.edu.au</a>         |
| <b>HES2915</b>  | Airline Planning and Operations           | Dr Peter Bruce        | EN706B   | #8507         | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a>           |
| <b>HES2926</b>  | Flight Operations for Managers            | Mr Stephen Fankhauser | EN704    | #5259         | <a href="mailto:sfankhauser@swin.edu.au">sfankhauser@swin.edu.au</a> |
| <b>HES2930</b>  | Aircraft Structures                       | Mr Stephen Fankhauser | EN704    | #5259         | <a href="mailto:sfankhauser@swin.edu.au">sfankhauser@swin.edu.au</a> |
| <b>HES2935</b>  | Aircraft Maintenance                      | Dr Peter Bruce        | EN706B   | #8507         | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a>           |
| <b>HES2940</b>  | Aircraft Aerodynamics & Performance       | Mr Stephen Fankhauser | EN704    | #5259         | <a href="mailto:sfankhauser@swin.edu.au">sfankhauser@swin.edu.au</a> |
| <b>HES2945</b>  | Aircraft Design & Operations              | Mr Stephen Fankhauser | EN704    | #5259         | <a href="mailto:sfankhauser@swin.edu.au">sfankhauser@swin.edu.au</a> |

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|---|--|-----------------------|----------|---------------|--|
| <b>HES2950</b>                              | Commercial Pilot Licence Practicum 2             | Mr Vincent Khoo (OAA) |          | 8587 3945     | <a href="mailto:vincent.khoo@oaa.com">vincent.khoo@oaa.com</a>       |
| <b>HES2950JQ<br/>(Reinstating<br/>Unit)</b> | Commercial Pilot Licence Practicum 2<br>JQ       | Mr Vincent Khoo (OAA) |          | 8587 3945     | <a href="mailto:vincent.khoo@oaa.com">vincent.khoo@oaa.com</a>       |
| <b>HES2950A<br/>(New Code)</b>              | Commercial Pilot Licence Practicum<br>2A         | Mr Vincent Khoo (OAA) |          | 8587 3945     | <a href="mailto:vincent.khoo@oaa.com">vincent.khoo@oaa.com</a>       |
| <b>HES2950T<br/>(New Code)</b>              | Commercial Pilot Licence Practicum<br>2T         | Mr Vincent Khoo (OAA) |          | 8587 3945     | <a href="mailto:vincent.khoo@oaa.com">vincent.khoo@oaa.com</a>       |
| <b>HES2951</b>                              | Commercial Pilot Licence Additional<br>Practicum | Mr Vincent Khoo (OAA) |          | 8587 3945     | <a href="mailto:vincent.khoo@oaa.com">vincent.khoo@oaa.com</a>       |
| <b>HES2986A</b>                             | Aviation Regulation and Operation                | Dr Yi Gao             |          | # 8865        | <a href="mailto:ygao@swin.edu.au">ygao@swin.edu.au</a>               |
| <b>HES2990</b>                              | Airport Planning, Operation &<br>Management      | Dr Peter Bruce        | EN706B   | #8507         | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a>           |
| <b>HES2992</b>                              | Project Mangement in Aviation                    | Stephan Fankhauser    |          | # 5259        | <a href="mailto:sfankhauser@swin.edu.au">sfankhauser@swin.edu.au</a> |
| <b>HES3112</b>                              | Urban Water Resources                            | Dr Monzur Imteaz      |          | # 5630        | <a href="mailto:mimteaz@swin.edu.au">mimteaz@swin.edu.au</a>         |
| <b>HES3121</b>                              | Design of Steel Structures                       | A/Prof Emad Gad       | ATC735   | 92148210      | <a href="mailto:egad@swin.edu.au">egad@swin.edu.au</a>               |
| <b>HES3150</b>                              | Geotechnical Engineering                         | Mr Robert Evans       |          | # 8233        | <a href="mailto:robertevans@swin.edu.au">robertevans@swin.edu.au</a> |
| <b>HES3281</b>                              | Materials and Manufacturing 2                    | Mr Yat Choy Wong      |          | # 8735        | <a href="mailto:ywong@swin.edu.au">ywong@swin.edu.au</a>             |
| <b>HES3310</b>                              | Control Engineering                              | Dr Peter Higgins      |          | # 8029        | <a href="mailto:phiggins@swin.edu.au">phiggins@swin.edu.au</a>       |

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|--------------------------------|--|--------------------------|----------|---------------|--|
| <b>HES3334</b>                 | Thermofluid Systems                                  | Dr Soullis Tavrou        |          | # 8821        | <a href="mailto:stavrou@swin.edu.au">stavrou@swin.edu.au</a>             |
| <b>HES3350</b>                 | Machine Design                                       | Mr Clint Steele          | EN709A   | #8449         | <a href="mailto:csteele@swin.edu.au">csteele@swin.edu.au</a>             |
| <b>HES3360</b>                 | Human Factors  | Dr Peter Higgins         |          | # 8029        | <a href="mailto:phiggins@swin.edu.au">phiggins@swin.edu.au</a>           |
| <b>HES3380</b>                 | Engineering Management 1                             | Dr Amir Abdekhodae       | ATC823   | #5263         | <a href="mailto:aabdekhodae@swin.edu.au">aabdekhodae@swin.edu.au</a>     |
| <b>HES4126</b>                 | Structural Engineering                               | Scott Rayburg            | ATC729   | # 4944        | <a href="mailto:srayburg@swin.edu.au">srayburg@swin.edu.au</a>           |
| <b>HES4136</b>                 | Transport Engineering                                | Dr Rayya Hassan          |          | # 8284        | <a href="mailto:rahassan@swin.edu.au">rahassan@swin.edu.au</a>           |
| <b>HES4146</b>                 | Water & Environmental Engineering                    | Dr Shirley Gato-Trinidad |          | # 8237        | <a href="mailto:sgatotrinidad@swin.edu.au">sgatotrinidad@swin.edu.au</a> |
| <b>HES4250</b>                 | Design For Manufacture                               | Dr Soullis Tavrou        |          | # 8821        | <a href="mailto:stavrou@swin.edu.au">stavrou@swin.edu.au</a>             |
| <b>HES4330</b>                 | Thermodynamics 2                                     | Dr Akbar Rhamdhani       | ATC844   | #8528         | <a href="mailto:arhamdhani@swin.edu.au">arhamdhani@swin.edu.au</a>       |
| <b>HES4350</b>                 | Mechanical Systems Design                            | Dr Clint Steele          | EN709A   | #8449         | <a href="mailto:csteele@swin.edu.au">csteele@swin.edu.au</a>             |
| <b>HES4901A</b>                | Air Transport Pilot Licence Theory 2                 | Nakita Anderson (OAA)    |          | 9580-6566     | <a href="mailto:nakita.anderson@oaa.com">nakita.anderson@oaa.com</a>     |
| <b>HES4906A</b>                | Air Transport Pilot Licence Theory 3                 | Nakita Anderson (OAA)    |          | 9580-6566     | <a href="mailto:nakita.anderson@oaa.com">nakita.anderson@oaa.com</a>     |
| <b>HES4916</b>                 | Integrated Safety Management Systems                 | Dr David Newman          | EN706A   | #8630         | <a href="mailto:dnewman@swin.edu.au">dnewman@swin.edu.au</a>             |
| <b>HES4950A<br/>(New code)</b> | Multi Crew Cooperation and Jet Orientation Practicum | Mr Vincent Khoo (OAA)    |          | 8587 3945     | <a href="mailto:vincent.khoo@oaa.com">vincent.khoo@oaa.com</a>           |
| <b>HES4951</b>                 | Multi Crew Cooperation Additional Practicum          | Mr Vincent Khoo (OAA)    |          | 8587 3945     | <a href="mailto:vincent.khoo@oaa.com">vincent.khoo@oaa.com</a>           |
| <b>HES4953</b>                 | Multi Engine Command Instrument Rating Practicum     | Mr Vincent Khoo (OAA)    |          | 8587 3945     | <a href="mailto:vincent.khoo@oaa.com">vincent.khoo@oaa.com</a>           |

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|-------------------------------------|---|-----------------------|-----------|----------------------|--|
| <b>HES4954</b>                      | Multi Engine Command Instrument Rating Additional Practicum | Mr Vincent Khoo (OAA) |           | 8587 3945            | <a href="mailto:vincent.khoo@oaa.com">vincent.khoo@oaa.com</a>       |
| <b>HES4955</b>                      | Multi Engine Gas Turbine Type Rating Practicum              | Mr Vincent Khoo (OAA) |           | 8587 3945            | <a href="mailto:vincent.khoo@oaa.com">vincent.khoo@oaa.com</a>       |
| <b>HES4955JQ (Reinstating Unit)</b> | Multi Engine Gas Turbine Type Rating Practicum JQ           | Mr Vincent Khoo (OAA) |           | 8587 3945            | <a href="mailto:vincent.khoo@oaa.com">vincent.khoo@oaa.com</a>       |
| <b>HES4955A (New Code)</b>          | Multi Engine Command Instrument Rating Practicum            | Mr Vincent Khoo (OAA) | 8587 3945 | vincent.khoo@oaa.com | External   |
| <b>HES4956</b>                      | Multi Engine Gas Turbine Type Rating Additional Practicum   | Mr Vincent Khoo (OAA) |           | 8587 3945            | <a href="mailto:vincent.khoo@oaa.com">vincent.khoo@oaa.com</a>       |
| <b>HES4958</b>                      | Flight Instructor Rating Practicum                          | Mr Vincent Khoo (OAA) |           | 8587 3945            | <a href="mailto:vincent.khoo@oaa.com">vincent.khoo@oaa.com</a>       |
| <b>HES4959</b>                      | Flight Instructor Rating Additional Practicum               | Mr Vincent Khoo (OAA) |           | 8587 3945            | <a href="mailto:vincent.khoo@oaa.com">vincent.khoo@oaa.com</a>       |
| <b>HES4961A</b>                     | Aviation Research Project (Part 1)                          | Dr Peter Bruce        | EN706B    | #8507                | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a>           |
| <b>HES4962A</b>                     | Aviation Research Project (Part 2)                          | Dr Peter Bruce        | EN706B    | #8507                | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a>           |
| <b>HES4965</b>                      | Aviation Study Tour   | Dr Peter Bruce        | EN706B    | #8507                | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a>           |
| <b>HES4970</b>                      | Current & Future Airline Technological Operational Concepts | Mr Stephen Fankhauser | EN704     | #5259                | <a href="mailto:sfankhauser@swin.edu.au">sfankhauser@swin.edu.au</a> |
| <b>HES4981A</b>                     | Aviation Business Strategies and Management                 | Dr Peter Bruce        | EN706B    | #8507                | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a>           |
| <b>HES4985</b>                      | Airspace Management & Air Traffic Services                  | Dr Peter Bruce        | EN706B    | #8507                | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a>           |

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|----------------|-----------------------------------|--------------------------|----------|---------------|--|
| <b>HES4990</b> | Aviation Legal Framework          | Ms Chrystal Zhang        |          | # 4822        | <a href="mailto:chrystalzhang@swin.edu.au">chrystalzhang@swin.edu.au</a> |
| <b>HES5900</b> | Aviation Research Topics          | Dr. David Newman         | EN706A   | #8630         | <a href="mailto:dgnewman@swin.edu.au">dgnewman@swin.edu.au</a>           |
| <b>HES5901</b> | Aviation Honours Project (Part 1) | Dr. David Newman         | EN706A   | #8630         | <a href="mailto:dgnewman@swin.edu.au">dgnewman@swin.edu.au</a>           |
| <b>HES5902</b> | Aviation Honours Project (Part 2) | Dr. David Newman         | EN706A   | #8630         | <a href="mailto:dgnewman@swin.edu.au">dgnewman@swin.edu.au</a>           |
| <b>HES5102</b> | Research Project                  | Dr David Richards        | EN708A   | #8698         | <a href="mailto:drichards@swin.edu.au">drichards@swin.edu.au</a>         |
| <b>HES5103</b> | Advanced Research Project         | Mr Aaron Blicblau,       |          | # 8531        | <a href="mailto:ablicblau@swin.edu.au">ablicblau@swin.edu.au</a>         |
| <b>HES5108</b> | Research Project                  | Dr Julia Lamborn         | ATC716   | #8344         | <a href="mailto:jlamborn@swin.edu.au">jlamborn@swin.edu.au</a>           |
| <b>HES5175</b> | Cost Engineering                  | A/Prof Emad Gad          | ATC735   | 92148210      | <a href="mailto:egad@swin.edu.au">egad@swin.edu.au</a>                   |
| <b>HES5190</b> | Infrastructure Design Project     | Dr Kamiran Abdouka       | ATC740   | #8680         | <a href="mailto:kabdouka@swin.edu.au">kabdouka@swin.edu.au</a>           |
| <b>HES5195</b> | Infrastructure Management Project | Dr Shirley Gato-Trinidad |          | # 8237        | <a href="mailto:sgatotrinidad@swin.edu.au">sgatotrinidad@swin.edu.au</a> |
| <b>HES5250</b> | Robot System Design               | Dr Peter Higgins         |          | # 8029        | <a href="mailto:phiggins@swin.edu.au">phiggins@swin.edu.au</a>           |
| <b>HES5310</b> | Machine Dynamics 2                | Dr Jamal Naser           | ATC842   | #8655         | <a href="mailto:inaser@swin.edu.au">inaser@swin.edu.au</a>               |
| <b>HES5320</b> | Solid Mechanics                   | Dr Tracy Dong Ruan       |          | # 8258        | <a href="mailto:druan@swin.edu.au">druan@swin.edu.au</a>                 |
| <b>HES5340</b> | Fluid Mechanics 2                 | Dr Jamal Naser           | ATC842   | #8655         | <a href="mailto:inaser@swin.edu.au">inaser@swin.edu.au</a>               |
| <b>HES5350</b> | Product Design                    | Dr Soullis Tavrou        |          | # 8821        | <a href="mailto:stavrou@swin.edu.au">stavrou@swin.edu.au</a>             |
| <b>HES5380</b> | Engineering Management 2          | Dr Amir Abdekhodae       | ATC823   | #5263         | <a href="mailto:aabdekhodae@swin.edu.au">aabdekhodae@swin.edu.au</a>     |
| <b>HES6001</b> | Human Factors Concepts            | Dr Peter Bruce           | EN706B   | #8507         | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a>               |
| <b>HES6002</b> | Safety in Operational Teams       | Dr Peter Bruce           | EN706B   | #8507         | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a>               |
| <b>HES6120</b> | Work Systems In Manufacturing     | Dr Peter Higgins         |          | # 8029        | <a href="mailto:phiggins@swin.edu.au">phiggins@swin.edu.au</a>           |

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| Unit Code             | Unit Title                                   | Convenor                   | Location | Convenor #Ext | Convenor email   |
|-----------------------|--|----------------------------|----------|---------------|--|
| HES6121               | Six Sigma                                    | Prof Ajay Kapoor           |          | # 8202        | <a href="mailto:akapoor@swin.edu.au">akapoor@swin.edu.au</a>       |
| HES6122               | Sustainable Design And Manufacture           | Mr Yat Choy Wong           |          | # 8735        | <a href="mailto:ywong@swin.edu.au">ywong@swin.edu.au</a>           |
| HES6123               | Advanced Mechatronics                        | Prof Zhihong Man           |          | # 5175        | <a href="mailto:zman@swin.edu.au">zman@swin.edu.au</a>             |
| HES6124               | Nanofabrication Technologies                 | Prof Peter Kingshott       | ATC813   | #5033         | <a href="mailto:pkingshott@swin.edu.au">pkingshott@swin.edu.au</a> |
| HES6126               | Rapid Manufacturing And Tooling              | Prof Syed Masood           |          | # 8260        | <a href="mailto:smasood@swin.edu.au">smasood@swin.edu.au</a>       |
| HES6127               | Surface Engineering                          | Prof Chris Berndt          |          | # 8706        | <a href="mailto:cberndt@swin.edu.au">cberndt@swin.edu.au</a>       |
| HES6128               | Advanced Metal Forming                       | Prof Jeong Yoon            |          | # 5573        | <a href="mailto:jyoon@swin.edu.au">jyoon@swin.edu.au</a>           |
| HES6129<br>(New Code) | Nonlinear FEM for Materials and Structures   | Prof Jeong Yoon            |          | # 5573        | <a href="mailto:jyoon@swin.edu.au">jyoon@swin.edu.au</a>           |
| HES6131               | Procurement & Inventory Management           | Dr Palaneeswaran Ekambaram |          | # 8526        | <a href="mailto:pekambaram@swin.edu.au">pekambaram@swin.edu.au</a> |
| HES6132               | Managing Modern Distribution                 | Dr Palaneeswaran Ekambaram |          | # 8526        | <a href="mailto:pekambaram@swin.edu.au">pekambaram@swin.edu.au</a> |
| HES6174               | Resource Planning and Management             | Dr Palaneeswaran Ekambaram |          | # 8526        | <a href="mailto:pekambaram@swin.edu.au">pekambaram@swin.edu.au</a> |
| HES6175               | Project Costing                              | Dr Palaneeswaran Ekambaram |          | # 8526        | <a href="mailto:pekambaram@swin.edu.au">pekambaram@swin.edu.au</a> |
| HES6175D              | Project Costing                              | Dr Palaneeswaran Ekambaram |          | # 8526        | <a href="mailto:pekambaram@swin.edu.au">pekambaram@swin.edu.au</a> |
| HES6176               | Environmental Sustainability In Construction | Dr Palaneeswaran Ekambaram |          | # 8526        | <a href="mailto:pekambaram@swin.edu.au">pekambaram@swin.edu.au</a> |

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|-----------------|--|----------------------------|----------|---------------|--|
| <b>HES6176D</b> | Environmental Sustainability In Construction | Dr Palaneeswaran Ekambaram |          | # 8526        | <a href="mailto:pekambaram@swin.edu.au">pekambaram@swin.edu.au</a> |
| <b>HES6177D</b> | International Construction                   | Dr Palaneeswaran Ekambaram |          | # 8526        | <a href="mailto:pekambaram@swin.edu.au">pekambaram@swin.edu.au</a> |
| <b>HES6178</b>  | Sustainable Buildings                        | Prof John Wilson           |          | # 4882        | <a href="mailto:iwilson@swin.edu.au">iwilson@swin.edu.au</a>       |
| <b>HES6179</b>  | Transport Planning Modelling & Economics     | Dr Rayya Hassan            |          | # 8284        | <a href="mailto:rehassan@swin.edu.au">rehassan@swin.edu.au</a>     |
| <b>HES6180</b>  | Advanced Concrete Design                     | Jay Sanjayan               |          | # 8034        | <a href="mailto:isanjayan@swin.edu.au">isanjayan@swin.edu.au</a>   |
| <b>HES6181</b>  | Strengthening and Monitoring of Structures   | Riadh Al-Mahaidi           |          | # 8429        | <a href="mailto:ralmahaidi@swin.edu.au">ralmahaidi@swin.edu.au</a> |
| <b>HES6192</b>  | Infrastructure Deterioration Modelling       | Dr Kamiran Abdouka         | ATC740   | #8680         | <a href="mailto:kabdouka@swin.edu.au">kabdouka@swin.edu.au</a>     |
| <b>HES6194</b>  | Geotechnical Design                          | Dr Arul Arulrajah          | ATC723   | #5741         | <a href="mailto:arulrajah@swin.edu.au">arulrajah@swin.edu.au</a>   |
| <b>HES6195</b>  | Building Design                              | A/Prof Emad Gad            | ATC735   | 92148210      | <a href="mailto:egad@swin.edu.au">egad@swin.edu.au</a>             |
| <b>HES6196</b>  | Integrated Water Design                      | Dr Monzur Imteaz           |          | # 5630        | <a href="mailto:mimteaz@swin.edu.au">mimteaz@swin.edu.au</a>       |
| <b>HES6197</b>  | Principles Of Sustainability                 | Dr Monzur Imteaz           |          | # 5630        | <a href="mailto:mimteaz@swin.edu.au">mimteaz@swin.edu.au</a>       |
| <b>HES6198</b>  | Research Paper                               | Dr Monzur Imteaz           |          | # 5630        | <a href="mailto:mimteaz@swin.edu.au">mimteaz@swin.edu.au</a>       |
| <b>HES6600</b>  | Introductory Human Factors                   | Dr Peter Bruce             | EN706B   | #8507         | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a>         |

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|----------------------|---|----------------|----------|---------------|--|
| <b>HES6601</b>       | Human Factors In Air Traffic Management     | Dr Peter Bruce | EN706B   | #8507         | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a> |
| <b>HES6602</b>       | CRM and Threat & Error Management           | Dr Peter Bruce | EN706B   | #8507         | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a> |
| <b>HES6603</b>       | Organisational Change In Aviation           | Dr Peter Bruce | EN706B   | #8507         | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a> |
| <b>HES6604</b>       | Advanced Human Factors                      | Dr Peter Bruce | EN706B   | #8507         | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a> |
| <b>HES6605</b>       | Human Factors in Maintenance                | Dr Peter Bruce | EN706B   | #8507         | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a> |
| <b>HES6606</b>       | Human Factors Instruction                   | Dr Peter Bruce | EN706B   | #8507         | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a> |
| <b>HES6607</b>       | Safety Management Systems                   | Dr Peter Bruce | EN706B   | #8507         | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a> |
| <b>HES6611</b>       | Introduction To Air Transportation          | Dr Peter Bruce | EN706B   | #8507         | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a> |
| <b>HES6613</b>       | Airline Operations Management               | Dr Peter Bruce | EN706B   | #8507         | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a> |
| <b>HES6614 (New)</b> | Aircraft Performance                        | Dr Peter Bruce | EN706B   | #8507         | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a> |
| <b>HES6615</b>       | Aircraft Selection, Acquisition & Contracts | Dr Peter Bruce | EN706B   | #8507         | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a> |
| <b>HES6616</b>       | Stress & Fatigue Management In Aviation     | Dr Peter Bruce | EN706B   | #8507         | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a> |
| <b>HES6617</b>       | Emergency Planning And Management(1)        | Dr Peter Bruce | EN706B   | #8507         | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a> |
| <b>HES6618</b>       | Emergency Planning And Management(2)        | Dr Peter Bruce | EN706B   | #8507         | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a> |
| <b>HES6619</b>       | Aviation Risk Management And Insurance      | Dr Peter Bruce | EN706B   | #8507         | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a> |
| <b>HES6620</b>       | Air Transport Financial Management          | Dr Peter Bruce | EN706B   | #8507         | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a> |

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|-----------------|---|----------------------------|----------|---------------|--|
| <b>HES6623</b>  | Regulatory Environment & Business Practice In Air Transport | Dr Peter Bruce             | EN706B   | #8507         | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a>         |
| <b>HES6624</b>  | Airline Business Simulation                                 | Dr Peter Bruce             | EN706B   | #8507         | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a>         |
| <b>HES6625</b>  | Airline Maintenance   | Dr Peter Bruce             | EN706B   | #8507         | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a>         |
| <b>HES6630</b>  | Airport Planning And Design (1)                             | Dr Peter Bruce             | EN706B   | #8507         | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a>         |
| <b>HES6631</b>  | Airport Planning And Design (2)                             | Dr Peter Bruce             | EN706B   | #8507         | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a>         |
| <b>HES6634</b>  | Environment & Sustainability Issues in Aviation             | Dr Peter Bruce             | EN706B   | #8507         | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a>         |
| <b>HES6690</b>  | Engineering Project Control                                 | Dr Palaneeswaran Ekambaram | ATC843   | #8526         | <a href="mailto:pekambaram@swin.edu.au">pekambaram@swin.edu.au</a> |
| <b>HES6690D</b> | Engineering Project Control                                 | Dr Palaneeswaran Ekambaram | ATC843   | #8526         | <a href="mailto:pekambaram@swin.edu.au">pekambaram@swin.edu.au</a> |
| <b>HES6699</b>  | Aviation Seminars   | Dr Peter Bruce             | EN706B   | #8507         | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a>         |
| <b>HES6720</b>  | Risk Perception and Analysis                                | Dr Palaneeswaran Ekambaram | ATC843   | #8526         | <a href="mailto:pekambaram@swin.edu.au">pekambaram@swin.edu.au</a> |
| <b>HES6721</b>  | Risk Management Principles                                  | Dr Palaneeswaran Ekambaram | ATC843   | #8526         | <a href="mailto:pekambaram@swin.edu.au">pekambaram@swin.edu.au</a> |
| <b>HES6723</b>  | Financial Risk Management                                   | Dr Palaneeswaran Ekambaram | ATC843   | #8526         | <a href="mailto:pekambaram@swin.edu.au">pekambaram@swin.edu.au</a> |
| <b>HES6724</b>  | Risk Management Systems                                     | Dr Palaneeswaran Ekambaram | ATC843   | #8526         | <a href="mailto:pekambaram@swin.edu.au">pekambaram@swin.edu.au</a> |
| <b>HES6727</b>  | Introduction to Risk and Due Diligence                      | Dr Palaneeswaran Ekambaram | ATC843   | #8526         | <a href="mailto:pekambaram@swin.edu.au">pekambaram@swin.edu.au</a> |

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|-----------------|--|----------------------------|----------|---------------|--|
| <b>HES6740</b>  | Quantitative Risk Modelling                | Dr Palaneeswaran Ekambaram | ATC843   | #8526         | <a href="mailto:pekambaram@swin.edu.au">pekambaram@swin.edu.au</a> |
| <b>HES6741</b>  | Advanced Quantitative Risk Modelling       | Dr Palaneeswaran Ekambaram | ATC843   | #8526         | <a href="mailto:pekambaram@swin.edu.au">pekambaram@swin.edu.au</a> |
| <b>HES6742</b>  | Qualitative Risk Modelling                 | Dr Palaneeswaran Ekambaram | ATC843   | #8526         | <a href="mailto:pekambaram@swin.edu.au">pekambaram@swin.edu.au</a> |
| <b>HES6743</b>  | Environmental Risk Management              | Dr Palaneeswaran Ekambaram | ATC843   | #8526         | <a href="mailto:pekambaram@swin.edu.au">pekambaram@swin.edu.au</a> |
| <b>HES6744</b>  | Physical Human Factors                     | Dr Palaneeswaran Ekambaram | ATC843   | #8526         | <a href="mailto:pekambaram@swin.edu.au">pekambaram@swin.edu.au</a> |
| <b>HES6745</b>  | Psychological Human Factors                | Dr Palaneeswaran Ekambaram | ATC843   | #8526         | <a href="mailto:pekambaram@swin.edu.au">pekambaram@swin.edu.au</a> |
| <b>HES6746</b>  | Advanced Risk Management Systems           | Dr Palaneeswaran Ekambaram | ATC843   | #8526         | <a href="mailto:pekambaram@swin.edu.au">pekambaram@swin.edu.au</a> |
| <b>HES6791</b>  | Project Management                         | Dr Palaneeswaran Ekambaram | ATC843   | #8526         | <a href="mailto:pekambaram@swin.edu.au">pekambaram@swin.edu.au</a> |
| <b>HES6793</b>  | Construction Law                           | Dr Palaneeswaran Ekambaram | ATC843   | #8526         | <a href="mailto:pekambaram@swin.edu.au">pekambaram@swin.edu.au</a> |
| <b>HES6793D</b> | Construction Law                           | Dr Palaneeswaran Ekambaram | ATC843   | #8526         | <a href="mailto:pekambaram@swin.edu.au">pekambaram@swin.edu.au</a> |
| <b>HES6795</b>  | Construction Site Operations               | Dr Palaneeswaran Ekambaram | ATC843   | #8526         | <a href="mailto:pekambaram@swin.edu.au">pekambaram@swin.edu.au</a> |
| <b>HES6797</b>  | Location-based Management for Construction | Dr Palaneeswaran Ekambaram | ATC843   | #8526         | <a href="mailto:pekambaram@swin.edu.au">pekambaram@swin.edu.au</a> |

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|-------------------|--|----------------------------|----------|---------------|--|
| <b>HES6798</b>    | Procurement and Risk Management in Projects        | Dr Palaneeswaran Ekambaram | ATC843   | #8526         | <a href="mailto:pekambaram@swin.edu.au">pekambaram@swin.edu.au</a> |
| <b>HES6900</b>    | Management Workshops for Engineers                 | Dr Palaneeswaran Ekambaram | ATC843   | #8526         | <a href="mailto:pekambaram@swin.edu.au">pekambaram@swin.edu.au</a> |
| <b>HES6901</b>    | Reliability-based Management of Engineering Assets | Dr Palaneeswaran Ekambaram | ATC843   | #8526         | <a href="mailto:pekambaram@swin.edu.au">pekambaram@swin.edu.au</a> |
| <b>HES6920</b>    | Engineering Management Research Papers             | Dr Palaneeswaran Ekambaram | ATC843   | #8526         | <a href="mailto:pekambaram@swin.edu.au">pekambaram@swin.edu.au</a> |
| <b>HES6921</b>    | Engineering Management Research Project            | Dr Palaneeswaran Ekambaram | ATC843   | #8526         | <a href="mailto:pekambaram@swin.edu.au">pekambaram@swin.edu.au</a> |
| <b>HES6CME</b>    | Coastal And Maritime Engineering                   | Prof. Alex Babanin         |          | # 8033        | <a href="mailto:ababanin@swin.edu.au">ababanin@swin.edu.au</a>     |
| <b>HES6DRE</b>    | Dredging Engineering                               | Dr Alessandro Toffoli      | ATC734   | #4708         | <a href="mailto:atoffoli@swin.edu.au">atoffoli@swin.edu.au</a>     |
| <b>HES6PAN</b>    | Port Access and Navigation                         | Dr Alessandro Toffoli      | ATC734   | #4708         | <a href="mailto:atoffoli@swin.edu.au">atoffoli@swin.edu.au</a>     |
| <b>HES6PHE</b>    | Port and Harbour Engineering                       | Dr Alessandro Toffoli      | ATC734   | #4708         | <a href="mailto:atoffoli@swin.edu.au">atoffoli@swin.edu.au</a>     |
| <b>HES6PSD</b>    | Port Structural Design                             | Dr Alessandro Toffoli      | ATC734   | #4708         | <a href="mailto:atoffoli@swin.edu.au">atoffoli@swin.edu.au</a>     |
| <b>HES7601</b>    | Major Research Project                             | Dr Monzur Imteaz           |          | # 5630        | <a href="mailto:mimteaz@swin.edu.au">mimteaz@swin.edu.au</a>       |
| <b>HES7605</b>    | Research Design & Methodology                      | Dr James Chon              | EN131    | #4326         | <a href="mailto:jchon@swin.edu.au">jchon@swin.edu.au</a>           |
| <b>HES7606</b>    | Minor Thesis                                       | Dr Peter Bruce             | EN706B   | #8507         | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a>         |
| <b>HES7606PT1</b> | Minor Thesis (Part 1)                              | Dr Peter Bruce             | EN706B   | #8507         | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a>         |
| <b>HES7606PT2</b> | Minor Thesis (Part 2)                              | Dr Peter Bruce             | EN706B   | #8507         | <a href="mailto:pbruce@swin.edu.au">pbruce@swin.edu.au</a>         |

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|---------------------------|---|-------------------------------|---------------|---------------|--|
| <b>HES7608R1</b>          | Risk Management Research Project - Part 1 | Dr Palaneeswaran Ekambaram    | ATC843        | #8526         | <a href="mailto:pekambaram@swin.edu.au">pekambaram@swin.edu.au</a>   |
| <b>HES7608R2</b>          | Risk Management Research Project - Part 2 | Dr Palaneeswaran Ekambaram    | ATC843        | #8526         | <a href="mailto:pekambaram@swin.edu.au">pekambaram@swin.edu.au</a>   |
| <b>HES7609</b>            | Research Project                          | Dr Palaneeswaran Ekambaram    | ATC843        | #8526         | <a href="mailto:pekambaram@swin.edu.au">pekambaram@swin.edu.au</a>   |
| <b>HET106</b>             | Professional Engineering - Biomedical     | Dr Sally McArthur             |               | # 8452        | <a href="mailto:SMcArthur@swin.edu.au">SMcArthur@swin.edu.au</a>   |
| <b>HET124</b>             | Energy & Motion                           | Dr Wayne Rowlands             | EN705C        | #8142         | <a href="mailto:wrowlands@swin.edu.au">wrowlands@swin.edu.au</a>   |
| <b>HET124A</b>            | Energy & Motion for Aviation              | Dr Tom Edwards                | EN705B        | 8272          | <a href="mailto:tedwards@swin.edu.au">tedwards@swin.edu.au</a>   |
| <b>HET126</b>             | Electromagnetism and Modern Physics       | Dr James Chon                 | EN131         | #4326         | <a href="mailto:jchon@swin.edu.au">jchon@swin.edu.au</a>   |
| <b>HET128</b>             | Physics 2                                 | Prof Peter Cadusch            |               | # 8864        | <a href="mailto:pcadusch@swin.edu.au">pcadusch@swin.edu.au</a>   |
| <b>HET128A (New Code)</b> | Physic 2A                                 | Prof Peter Cadusch            |               | # 8864        | <a href="mailto:pcadusch@swin.edu.au">pcadusch@swin.edu.au</a>   |
| <b>HET182</b>             | Electronics Systems                       | Dr Alex Mazzolini/George Bank | EN702D/EN702A | # 8866/# 8318 | <a href="mailto:amazolini@swin.edu.au">amazolini@swin.edu.au</a><br><a href="mailto:gbanky@swin.edu.au">gbanky@swin.edu.au</a> |
| <b>HET184</b>             | Biomedical Engineering and Design         | Dr Sally McArthur             |               | # 8452        | <a href="mailto:SMcArthur@swin.edu.au">SMcArthur@swin.edu.au</a>   |
| <b>HET202</b>             | Digital Electronics Design                | Mr Peter O'Donoghue           | EN702B        | #8317         | <a href="mailto:podonoghue@swin.edu.au">podonoghue@swin.edu.au</a>   |
| <b>HET207</b>             | Modelling & Simulation Projects           | Prof Peter Cadusch            |               | # 8864        | <a href="mailto:pcadusch@swin.edu.au">pcadusch@swin.edu.au</a>   |
| <b>HET214</b>             | Circuits & Electronics 1                  | George Banky                  | EN702A        | # 8318        | <a href="mailto:gbanky@swin.edu.au">gbanky@swin.edu.au</a>   |

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|-----------|-------------------------------------|----------------------------|----------|---------------|--|
| HET221    | Quantum and Optical Physics         | Dr Wayne Rowlands          | EN705C   | # 8142        | <a href="mailto:wrowlands@swin.edu.au">wrowlands@swin.edu.au</a>                     |
| HET225    | Electrical Machines                 | Dr. Weixiang Shen          |          | # 5886        | <a href="mailto:wshen@swin.edu.au">wshen@swin.edu.au</a>                             |
| HET228    | Electrical Actuators And Sensors    | Dr. Mehran Ektesabi        | EN608C   | # 8532        | <a href="mailto:MEktesabi@groupwise.swin.edu.au">MEktesabi@groupwise.swin.edu.au</a> |
| HET232    | Embedded Microcontrollers           | Mr Peter O'Donoghue        | EN702B   | #8317         | <a href="mailto:podonoghue@swin.edu.au">podonoghue@swin.edu.au</a>                   |
| HET286    | Circuits and Systems                | Cishen Zhang               | EN701C   | # 8496        | <a href="mailto:cishenzhang@swin.edu.au">cishenzhang@swin.edu.au</a>                 |
| HET287    | Analogue Electronics 1              | Dr Hock Neoh               | EN702E   | #8559         | <a href="mailto:hneoh@swin.edu.au">hneoh@swin.edu.au</a>                             |
| HET312    | Control and Automation              | Dr Zhenwei Cao             |          | # 8809        | <a href="mailto:zcao@swin.edu.au">zcao@swin.edu.au</a>                               |
| HET316    | Electromagnetic Waves               | Prof Peter Cadusch         |          | # 8864        | <a href="mailto:pcadusch@swin.edu.au">pcadusch@swin.edu.au</a>                       |
| HET326    | Electrical Power Systems            | Mr Ismat Hijazin           |          | # 8007        | <a href="mailto:ihijazin@swin.edu.au">ihijazin@swin.edu.au</a>                       |
| HET329    | Digital Signal And Image Processing | Prof Peter Cadusch         |          | # 8864        | <a href="mailto:pcadusch@swin.edu.au">pcadusch@swin.edu.au</a>                       |
| HET344    | Mechatronics Systems Design         | Dr Mehran Motamed Ektesabi | EN608C   | #8532         | <a href="mailto:mektesabi@swin.edu.au">mektesabi@swin.edu.au</a>                     |
| HET378    | Integrated Circuit Design           | Mr Ismat Hijazin           |          | # 8007        | <a href="mailto:ihijazin@swin.edu.au">ihijazin@swin.edu.au</a>                       |
| HET386    | Analogue Electronics 2              | Dr Hock Neoh               | EN702E   | #8559         | <a href="mailto:hneoh@swin.edu.au">hneoh@swin.edu.au</a>                             |
| HET416    | Computer Systems Engineering        | Mr Peter O'Donoghue        | EN702B   | #8317         | <a href="mailto:podonoghue@swin.edu.au">podonoghue@swin.edu.au</a>                   |
| HET417    | Photonics & Fibre Optics            | Dr Alex Mazzolini          | EN702D   | #8866         | <a href="mailto:amazolini@swin.edu.au">amazolini@swin.edu.au</a>                     |
| HET427    | Electrical Safety                   | Dr Weixiang Shen           | EN701B   | #5886         | <a href="mailto:wshen@swin.edu.au">wshen@swin.edu.au</a>                             |
| HET489    | Robotic Control                     | Dr Zhenwei Cao             | ATC826   | #8809         | <a href="mailto:zcao@swin.edu.au">zcao@swin.edu.au</a>                               |

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| Unit Code | Unit Title                                   | Convenor                   | Location | Convenor #Ext | Convenor email   |
|-----------|--|----------------------------|----------|---------------|--|
| HET490    | Advanced Biomedical Imaging                  | Mr Scott Wade              | ATC817   | #4339         | <a href="mailto:swade@swin.edu.au">swade@swin.edu.au</a>           |
| HET491    | Advanced Medical Instrumentation             | Dr Paul Stoddart           | ATC832   | #5839         | <a href="mailto:pstoddart@swin.edu.au">pstoddart@swin.edu.au</a>   |
| HET503    | Lasers                                       | Prof Russell McLean        | EN135    | #8555         | <a href="mailto:rmclean@swin.edu.au">rmclean@swin.edu.au</a>       |
| HET504    | Quantum Mechanics A                          | Dr Wayne Rowlands          | EN705C   | # 8142        | <a href="mailto:wrowlands@swin.edu.au">wrowlands@swin.edu.au</a>   |
| HET505    | Advanced Optical Imaging Theory              | A/Prof Xiaosong Gan        | EN128    | #8675         | <a href="mailto:xgan@swin.edu.au">xgan@swin.edu.au</a>             |
| HET507    | Atomic & Molecular Spectroscopy & Non-Linear | Prof Andrei Sidorov        | AS119    | #4325         | <a href="mailto:asidorov@swin.edu.au">asidorov@swin.edu.au</a>     |
| HET513    | Design Of DSP Architectures                  | Mr Ismat Hijazin           | EN701D   | #8007         | <a href="mailto:ihijazin@swin.edu.au">ihijazin@swin.edu.au</a>     |
| HET514    | Quantum Mechanics B                          | Dr Wayne Rowlands          | EN705C   | #8142         | <a href="mailto:wrowlands@swin.edu.au">wrowlands@swin.edu.au</a>   |
| HET515    | Advanced Embedded Systems                    | Mr Peter O'Donoghue        | EN702B   | #8317         | <a href="mailto:podonoghue@swin.edu.au">podonoghue@swin.edu.au</a> |
| HET517    | RF Electronics Design                        | Dr Hock Neoh               | EN702E   | #8559         | <a href="mailto:hneoh@swin.edu.au">hneoh@swin.edu.au</a>           |
| HET521    | Honours Research Project Part A              | Dr Wayne Rowlands          | EN705C   | #8142         | <a href="mailto:wrowlands@swin.edu.au">wrowlands@swin.edu.au</a>   |
| HET522    | Honours Research Project Part B              | Dr Wayne Rowlands          | EN705C   | #8142         | <a href="mailto:wrowlands@swin.edu.au">wrowlands@swin.edu.au</a>   |
| HET543    | Computer Vision Systems                      | Zhihong Man                | ATC828   | #5175         | <a href="mailto:zman@swin.edu.au">zman@swin.edu.au</a>             |
| HET544    | Introduction to Renewable Energy             | Dr Mehran Motamed Ektesabi | EN608C   | #8532         | <a href="mailto:mektesabi@swin.edu.au">mektesabi@swin.edu.au</a>   |
| HET551    | Design & Development Project 1               | Dr Zhenwei Cao             | ATC826   | #8809         | <a href="mailto:zcao@swin.edu.au">zcao@swin.edu.au</a>             |
| HET553    | Software Engineering & Robotics Project      | Dr Zhenwei Cao             | ATC826   | #8809         | <a href="mailto:zcao@swin.edu.au">zcao@swin.edu.au</a>             |
| HET556    | Design & Development Project 2               | Dr George Banky            | EN702A   | #8318         | <a href="mailto:gbanky@swin.edu.au">gbanky@swin.edu.au</a>         |
| HET557    | Design & Development Project 2               | Dr Zhenwei Cao             | ATC826   | #8809         | <a href="mailto:zcao@swin.edu.au">zcao@swin.edu.au</a>             |
| HET559    | Power Electronics                            | Dr Weixiang Shen           | EN701B   | #5886         | <a href="mailto:wshen@swin.edu.au">wshen@swin.edu.au</a>           |

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| Unit Code      | Unit Title   | Convenor              | Location | Convenor #Ext | Convenor email   |
|----------------|--|-----------------------|----------|---------------|--|
| <b>HET560</b>  | Power System Operation & Control                             | Dr Weixiang Shen      | EN701B   | #5886         | <a href="mailto:wshen@swin.edu.au">wshen@swin.edu.au</a>           |
| <b>HET6001</b> | HDL And High Level Synthesis                                 | Mr Ismat Hijazin      |          | # 8007        | <a href="mailto:ihijazin@swin.edu.au">ihijazin@swin.edu.au</a>     |
| <b>HET6002</b> | Integrated Circuit Design Techniques                         | Dr Hock Neoh          | EN702E   | #8559         | <a href="mailto:hneoh@swin.edu.au">hneoh@swin.edu.au</a>           |
| <b>HET6003</b> | Hardware Implementation Of Coding And Compression Algorithms | Mr Ismat Hijazin      | EN701D   | #8007         | <a href="mailto:ihijazin@swin.edu.au">ihijazin@swin.edu.au</a>     |
| <b>HET6004</b> | Advanced Digital System Design                               | Mr Peter O'Donoghue   | EN702B   | #8317         | <a href="mailto:podonoghue@swin.edu.au">podonoghue@swin.edu.au</a> |
| <b>HET6005</b> | Advanced Embedded Systems                                    | Mr Peter O'Donoghue   | EN702B   | #8317         | <a href="mailto:podonoghue@swin.edu.au">podonoghue@swin.edu.au</a> |
| <b>HET6007</b> | Advanced VLSI Design   | Dr Hock Neoh          | EN702E   | #8559         | <a href="mailto:hneoh@swin.edu.au">hneoh@swin.edu.au</a>           |
| <b>HET6008</b> | VLSI Digital Signal Processing Systems                       | Mr Ismat Hijazin      |          | # 8007        | <a href="mailto:ihijazin@swin.edu.au">ihijazin@swin.edu.au</a>     |
| <b>HET6009</b> | Reliability And Testability In IC Design                     | Mr Ismat Hijazin      |          | # 8007        | <a href="mailto:ihijazin@swin.edu.au">ihijazin@swin.edu.au</a>     |
| <b>HET6014</b> | RF & Mixed Signal Design                                     | Dr Hock Neoh          | EN702E   | #8559         | <a href="mailto:hneoh@swin.edu.au">hneoh@swin.edu.au</a>           |
| <b>HET6015</b> | Electronic Packaging Design Principles                       | Mr Ismat Hijazin      |          | # 8007        | <a href="mailto:ihijazin@swin.edu.au">ihijazin@swin.edu.au</a>     |
| <b>HET6020</b> | Minor Project  | Dr. George Banky      |          | # 8318        | <a href="mailto:gbanky@swin.edu.au">gbanky@swin.edu.au</a>         |
| <b>HET6030</b> | Major Project  | Mr Ismat Hijazin      |          | # 8007        | <a href="mailto:ihijazin@swin.edu.au">ihijazin@swin.edu.au</a>     |
| <b>HET6040</b> | Major Research Project                                       | Dr. George Banky      |          | # 8318        | <a href="mailto:gbanky@swin.edu.au">gbanky@swin.edu.au</a>         |
| <b>HEW050</b>  | IBL - Full Time Commencing/Placement 1                       | Dr Julia Lamborn      | ATC716   | #8344         | <a href="mailto:jlamborn@swin.edu.au">jlamborn@swin.edu.au</a>     |
| <b>HEW055</b>  | IBL - Full Time Continuing/Placement 2                       | Dr Julia Lamborn      | ATC716   | #8344         | <a href="mailto:jlamborn@swin.edu.au">jlamborn@swin.edu.au</a>     |
| <b>HIR504</b>  | Advanced CAD/CAM   | Prof Syed Masood      |          | # 8260        | <a href="mailto:smasood@swin.edu.au">smasood@swin.edu.au</a>       |
| <b>HIR505</b>  | Robotics In Manufacturing                                    | Prof Romesh Nagarajah |          | # 8530        | <a href="mailto:rnagarajah@swin.edu.au">rnagarajah@swin.edu.au</a> |
| <b>HIR506</b>  | Technology Management  | Mr Greg Brover        |          | N/A           | <a href="mailto:gbrover@gmail.com">gbrover@gmail.com</a>           |

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| Unit Code      | Unit Title                               | Convenor   | Location         | Convenor #Ext  | Convenor email   |
|----------------|--|--|------------------|----------------|--|
| <b>HIR507</b>  | Advanced Manufacturing Processes 1       | Dr Igor Sbarski<br>Prof Cuie Wen<br>(Sem 1, 2012 only) | AD201□ATC812     | #4338<br>#5651 | <a href="mailto:isbarski@swin.edu.au">isbarski@swin.edu.au</a><br><a href="mailto:cwen@swin.edu.au">cwen@swin.edu.au</a>       |
| <b>HIR508</b>  | Intelligent Inspection Systems           | Dr Pio Iovenitti                                       |                  | # 8262         | <a href="mailto:piovenitti@swin.edu.au">piovenitti@swin.edu.au</a>   |
| <b>HIR509</b>  | Comp Modelling, Analysis & Visualisation | Dr Pio Iovenitti                                       |                  | # 8262         | <a href="mailto:piovenitti@swin.edu.au">piovenitti@swin.edu.au</a>   |
| <b>HIR513</b>  | Masters Project                          | Dr Pio Iovenitti                                       |                  | # 8262         | <a href="mailto:piovenitti@swin.edu.au">piovenitti@swin.edu.au</a>   |
| <b>HIR514</b>  | Masters Thesis                           | Prof Syed Masood                                       |                  | # 8260         | <a href="mailto:smasood@swin.edu.au">smasood@swin.edu.au</a>   |
| <b>HMS101</b>  | Foundation Mathematics                   | Dr Joe Sampson   | EN710A           | #8020          | <a href="mailto:isampson@swin.edu.au">isampson@swin.edu.au</a>   |
| <b>HMS111</b>  | Engineering Mathematics 1                | Dr David Richards                                      | EN708A           | #8698          | <a href="mailto:drichards@swin.edu.au">drichards@swin.edu.au</a>   |
| <b>HMS111P</b> | Engineering Mathematics 1P               | Tonghua Zhang  | EN708c           | 8265           | <a href="mailto:tonghuazhang@swin.edu.au">tonghuazhang@swin.edu.au</a>   |
| <b>HMS112</b>  | Engineering Mathematics 2                | Dr Joe Sampson   | EN710A           | #8020          | <a href="mailto:isampson@swin.edu.au">isampson@swin.edu.au</a>   |
| <b>HMS112P</b> | Engineering Mathematics 2P               | Tonghua Zhang  | EN708c           | 8265           | <a href="mailto:tonghuazhang@swin.edu.au">tonghuazhang@swin.edu.au</a>   |
| <b>HMS141</b>  | Aviation Mathematics                     | Billy Todd   | EN711A           | 8740           | <a href="mailto:btodd@swin.edu.au">btodd@swin.edu.au</a>   |
| <b>HMS211</b>  | Engineering Mathematics 3A               | Dr Sergey Suslov                                       |                  | # 5952         | <a href="mailto:ssuslov@swin.edu.au">ssuslov@swin.edu.au</a>   |
| <b>HMS212</b>  | Engineering Mathematics 4A               | Dr David Lucy  | EN710D           | #8152          | <a href="mailto:dlucy@swin.edu.au">dlucy@swin.edu.au</a>   |
| <b>HMS213</b>  | Engineering Mathematics 3B               | William Phillips                                       |                  | # 8286         | <a href="mailto:wphillips@swin.edu.au">wphillips@swin.edu.au</a>   |
| <b>HMS214</b>  | Engineering Mathematics 4B               | Prof William Phillips                                  |                  | # 8286         | <a href="mailto:wphillips@swin.edu.au">wphillips@swin.edu.au</a>   |
| <b>HMS215</b>  | Engineering Mathematics 3C               | Dr Manmohan Singh<br>Dr David Richards                 | EN708E<br>EN708A | 8024<br>8698   | <a href="mailto:msingh@swin.edu.au">msingh@swin.edu.au</a><br><a href="mailto:drichards@swin.edu.au">drichards@swin.edu.au</a> |
| <b>HMS411</b>  | Engineering Mathematics 5A               | Dr Manmohan Singh                                      | EN708E           | #8024          | <a href="mailto:msingh@swin.edu.au">msingh@swin.edu.au</a>   |
| <b>HMS412</b>  | Differential Equations                   | Dr Sergey Suslov                                       |                  | # 5952         | <a href="mailto:ssuslov@swin.edu.au">ssuslov@swin.edu.au</a>   |

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| Unit Code      | Unit Title                                 | Convenor                   | Location | Convenor #Ext | Convenor email   |
|----------------|--|----------------------------|----------|---------------|--|
| <b>HMS413</b>  | Stochastic Modelling                       | Mr David Richards          |          | # 8698        | <a href="mailto:drichards@swin.edu.au">drichards@swin.edu.au</a>       |
| <b>HMS613</b>  | Stochastic Modelling and Survival Analysis | Mr David Richards          |          | # 8698        | <a href="mailto:drichards@swin.edu.au">drichards@swin.edu.au</a>       |
| <b>UHT1000</b> | Professional Engineering                   | Ravindra Savangouder TC317 |          | # 4642        | <a href="mailto:rsavangouder@swin.edu.au">rsavangouder@swin.edu.au</a> |
| <b>UHT1005</b> | Engineering Project                        | TBA                        |          |               |  |
| <b>UHT111</b>  | Engineering Mathematics 1                  | Alex Lee                   | TC315    | #8476         | <a href="mailto:aclee@swin.edu.au">aclee@swin.edu.au</a>               |
| <b>UHT112</b>  | Engineering Mathematics 2                  | TBA                        |          |               |  |
| <b>UHT1125</b> | Mechanics of Structures                    | Ravindra Savangouder TC317 |          | # 4642        | <a href="mailto:rsavangouder@swin.edu.au">rsavangouder@swin.edu.au</a> |
| <b>UHT1230</b> | Materials and Processes                    | Suri Saripalle TC315       |          | # 8126        | <a href="mailto:ssaripalle@swin.edu.au">ssaripalle@swin.edu.au</a>     |
| <b>UHT124</b>  | Energy & Motion                            | Luke Alao TC315            |          | # 4553        | <a href="mailto:lalao@swin.edu.au">lalao@swin.edu.au</a>               |
| <b>UHT182</b>  | Electronic Systems                         | Luke Alao TC316            |          | # 4553        | <a href="mailto:lalao@swin.edu.au">lalao@swin.edu.au</a>               |
| <b>UHT211</b>  | Engineering Mathematics 3                  | Alex Lee                   | TC315    | #8476         | <a href="mailto:aclee@swin.edu.au">aclee@swin.edu.au</a>               |
| <b>UHT235</b>  | Computer-Aided Drafting 1                  | Chan, Wai Lert             | TB321    | #4631         | <a href="mailto:bchan@swin.edu.au">bchan@swin.edu.au</a>               |
| <b>UHT237</b>  | 3D Computer-Aided Drafting                 | Chan, Wai Lert             | TB321    | #4631         | <a href="mailto:bchan@swin.edu.au">bchan@swin.edu.au</a>               |

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| Unit Code      | Unit Title               | Convenor                   | Location | Convenor #Ext | Convenor email   |
|----------------|--------------------------|----------------------------|----------|---------------|--|
| <b>UHT3380</b> | Engineering Management 1 | Judy, Cabraal Wijesinghe   |          | # 5826        | <a href="mailto:icabraalwijesinghe@swin.edu.au">icabraalwijesinghe@swin.edu.au</a> |
| <b>UHT419</b>  | Project Management       | Ravindra Savangouder TC317 |          | # 4642        | <a href="mailto:rsavangouder@swin.edu.au">rsavangouder@swin.edu.au</a>             |
| <b>UHT435</b>  | Sustainability Concepts  | Suri Saripalle TC315       |          | # 8126        | <a href="mailto:ssaripalle@swin.edu.au">ssaripalle@swin.edu.au</a>                 |
| <b>UHT5380</b> | Engineering Management 2 | Judy, Cabraal Wijesinghe   |          | # 5826        | <a href="mailto:icabraalwijesinghe@swin.edu.au">icabraalwijesinghe@swin.edu.au</a> |

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