2015 Enrolment Advice Session
New Undergraduate Domestic Students
Bachelor of Engineering (Honours)

adelaide.edu.au
Presentation Outline

• Welcome to the Faculty of Engineering, Computer and Mathematical Sciences (ECMS)

• Beginning student life in the Faculty of ECMS – What do I need to know now?

• First year Mathematics requirements for Engineers

• Enrolment basics

• Advice from your fellow students - video

• What do I need to do next?

• O’week 2015

• Question time
Housekeeping

- In case of Emergency
  - Follow our lead

- Toilets
  - Ladies
  - Gents
Information & Resources

• Student Information Sheet
  http://www.ecms.adelaide.edu.au/current-students/new-students/
  – Glossary of terms
  – University dates
  – Facilities and services
  – Computer suites
  – What School is your degree under?

• ECMS Website
  http://www.ecms.adelaide.edu.au/
  – Student forms
  – School links
  – Enrolment resources
Faculty of Engineering, Computer and Mathematical Sciences
2015 Enrolment Advice Session

Presenters

Prof. John Beynon – Executive Dean, ECMS Faculty
Mrs. Lisa Staines - Team Leader, ECMS Student Services
Mr. Adam Stodden – Timetabling Officer, ECMS Student Services
Ms. Justine Robins– Marketing Officer, ECMS Faculty
Welcome to the Faculty of Engineering, Computer and Mathematical Sciences (ECMS)
Professor John Beynon
Beginning Student Life in the Faculty of ECMS
What do I need to know now?
Faculty of Engineering, Computer and Mathematical Sciences
2015 Enrolment Advice Session

Talking the Talk

Programs/Degrees: Bachelor of Engineering (Honours) (Mechanical)
• Combined v Double Degrees
• Courses: MATHS 1011 Mathematics IA
• Units: MATHS 1011 Mathematics IA (3 units)
• Study Plan: Courses studied to achieve the degree

<table>
<thead>
<tr>
<th>Year 1</th>
<th>S1</th>
<th>MATHS 1011 Mathematics IA (3 units)</th>
<th>ELEC ENG 1009 Electrical &amp; Electronic Engineering IA (3 units)</th>
<th>C&amp;ENVENG 1010 Engineering Mechanics - Statics (3 units)</th>
<th>MECH ENG 1100 Introduction to Mechanical Engineering (3 units)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>S2</td>
<td>MATHS 1012 Mathematics IB (3 units)</td>
<td>CHEM ENG 1009 Materials I (3 units)</td>
<td>MECH ENG 1007 Engineering Mechanics - Dynamics (3 units)</td>
<td>MECH ENG 1006 Design Graphics &amp; Communication (3 units)</td>
</tr>
</tbody>
</table>
Full-time or Part-time Study

• Domestic students can choose to study full-time or part-time.

• For Centrelink purposes you must be enrolled as a full-time student. This requires at least 9 units per semester or 18 units per year.
Practical Experience Requirement

- A requirement for all Bachelor of Engineering (Honours) students

  Academic Requirements
  +
  12 weeks practical experience

  Completion → Graduation

- Practical Experience Component Consists of a minimum of 12 weeks
  - at least 6 weeks industry experience under a supervisor + up to 6 weeks general experience

- Placements are arranged by the student
  - Can be completed in Australia or overseas

- Practical Experience coordinator in each School will assess the experience upon completion

- Links and more information:
  [http://www.ecms.adelaide.edu.au/current-students/practical-experience/]
Mathematics Requirements for Engineers
First Year Mathematics - Enrolment

- All Engineering students will complete MATHS 1011 Mathematics IA and MATHS 1012 Mathematics IB

- Students without the Specialist Mathematics pre-requisite will complete
  a) MATHS 1013 Mathematics IM in semester 1
  b) MATHS 1011 Mathematics IA in semester 2
  c) MATHS 1012 Mathematics IB in Summer School next year
First Year Mathematics - Assistance

• Struggling with Maths after 2 or 3 weeks?
  – Don’t wait until the end of semester before seeking help with your Maths
  – Seek assistance from the Director of First Year Studies, Dr. Adrian Koerber
    adrian.koerber@adelaide.edu.au

• Maths Learning Centre
  http://www.adelaide.edu.au/mathslearning/
  – Drop in times 10am – 4pm Monday to Friday during Semester 1 and Semester 2
  – Location: Level 3 East, Hub Central
Enrolment Basics

Mr. Adam Stodden
Where do I go to enrol?

- In Unified, choose the “Access Adelaide” icon
- Your username and password
  - Provided in the welcome letter emailed mailed to you
  - Your username: a1234567
- Change your password regularly and keep it private
### How do I know what to enrol into?

#### Bachelor of Engineering (Honours) (Mechanical)

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Semester 1</th>
<th>SEM1</th>
<th>SEM2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MATHS 1011 Mathematics IA (3 units)</td>
<td>ELEC ENG 1009 Electrical &amp; Electronic Engineering IA (3 units)</td>
<td>CBENVENG 1010 Engineering Mechanics - Statics (3 units)</td>
</tr>
<tr>
<td></td>
<td>MATHS 1012 Mathematics IB (3 units)</td>
<td>CHEM ENG 1009 Materials I (3 units)</td>
<td>MECH ENG 1007 Engineering Mechanics - Dynamics (3 units)</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Year 2</th>
<th>Semester 1</th>
<th>SEM1</th>
<th>SEM2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MATHS 2301 Engineering Mathematics IIA (3 units)</td>
<td>MECH ENG 2020 Materials &amp; Manufacturing (3 units)</td>
<td>MECH ENG 2021 Thermo-Fluids I (3 units)</td>
</tr>
<tr>
<td></td>
<td>MATHS 2302 Engineering Mathematics IIB (3 units)</td>
<td>MECH ENG 2002 Stress Analysis &amp; Design (3 units)</td>
<td>MECH ENG 2019 Dynamics &amp; Control I (3 units)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 3</th>
<th>Semester 1</th>
<th>SEM1</th>
<th>SEM2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MECH ENG 3102 Heat Transfer &amp; Thermodynamics (3 units)</td>
<td>MECH ENG 3103 Manufacturing Engineering &amp; Quality Systems (3 units)</td>
<td>MECH ENG 3105 Sustainability &amp; the Environment (3 units)</td>
</tr>
<tr>
<td></td>
<td>MATHS 2104 Numerical Methods II (3 units)</td>
<td>MECH ENG 3027 Engineering Systems Design &amp; Communication (3 units)</td>
<td>MECH ENG 3030 Structural Design &amp; Solid Mechanics (3 units)</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Year 4</th>
<th>Semester 1</th>
<th>SEM1</th>
<th>SEM2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MECH ENG 4143A Honours Project Part A (3 units) plus MECH ENG 4501 Level 4 Prac</td>
<td>Elective Course (3 units)</td>
<td>Elective Course (3 units)</td>
</tr>
<tr>
<td></td>
<td>MECH ENG 4143B Honours Project Part B (6 units) plus MECH ENG 4502 Level 4 Prac</td>
<td>Elective Course (3 units)</td>
<td>Elective Course (3 units)</td>
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</table>

#### Choose from the following electives

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>SEM1</th>
<th>SEM2</th>
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</thead>
<tbody>
<tr>
<td>MECH ENG 4102 Advanced PID Control (3 units)</td>
<td>MECH ENG 4123 Materials Selection &amp; Failure Analysis (3 units)</td>
<td>MECH ENG 4105 Advanced Vibrations (3 units)</td>
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<tr>
<td>MECH ENG 4114 Corrosion: Principles &amp; Prevention (3 units)</td>
<td>MECH ENG 4122 Fracture Mechanics (3 units)</td>
<td>MECH ENG 4111 CFD for Engineering Applications (3 units)</td>
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</table>

<table>
<thead>
<tr>
<th>Semester 2</th>
<th>SEM1</th>
<th>SEM2</th>
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<tbody>
<tr>
<td>TECHCOMM 3900 Entrepreneurs Challenge (3 units)</td>
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University of Adelaide
# What if I’m in a double degree?

## BACHELOR OF ENGINEERING (HONOURS) (MECHANICAL) WITH BACHELOR OF FINANCE

<table>
<thead>
<tr>
<th>Year</th>
<th>S1</th>
<th>S2</th>
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<tbody>
<tr>
<td><strong>Year 1</strong></td>
<td></td>
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</tr>
<tr>
<td></td>
<td>C&amp;ENVENG 1010 Engineering Mechanics - Statics (3 units)</td>
<td>ECON 1000 Principles of Microeconomics I (3 units)</td>
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<tr>
<td></td>
<td>MECH ENG 1100 Introduction to Mechanical Engineering (3 units)</td>
<td>MATHS 1011 Mathematics IA (3 units)#</td>
</tr>
<tr>
<td></td>
<td>CHEM ENG 1009 Materials I (3 units)</td>
<td>MECH ENG 1006 Design Graphics &amp; Communication (3 units)</td>
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<tr>
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<td>ECON 1004 Principles of Microeconomics I (3 units)</td>
<td>MECH ENG 1007 Engineering Mechanics - Dynamics (3 units)</td>
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<tr>
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<td>MATHS 1011 Mathematics IA (3 units)</td>
<td>MATHS 1012 Mathematics IB (3 units)</td>
</tr>
<tr>
<td><strong>Year 2</strong></td>
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</tr>
<tr>
<td></td>
<td>ECON 1009 International Financial Institutions &amp; Markets I</td>
<td>ELEC ENG 1009 Electrical &amp; Electronic Engineering IA (3 units)</td>
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<td>MECH ENG 1100 Introduction to Mechanical Engineering (3 units)</td>
<td>MATHS 2201 Engineering Mathematics II A (3 units)</td>
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<td>MATHS 2202 Engineering Mathematics IIB (3 units)</td>
<td>MECH ENG 2002 Stress Analysis &amp; Design (3 units)</td>
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<td>ECON 1000 Principles of Macroeconomics I (3 units)</td>
<td>MECH ENG 2100 Design Practice (3 units)</td>
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<td>CHEM ENG 1009 Materials I (3 units)</td>
<td>MECH ENG 2101 Mechatronics IM (includes Workshop Practice) (3 units)</td>
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<tr>
<td><strong>Year 3</strong></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>CORFIN 2500 Business Finance II (3 units)</td>
<td>MECH ENG 2020 Materials &amp; Manufacturing (3 units)</td>
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<tr>
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<td>MECH ENG 2021 Thermo-Fluids I (3 units) plus MECH ENG 2501 Level 2 Prac</td>
<td>MECH ENG 3030 Structural Design &amp; Solid Mechanics (3 units)</td>
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<td>ECON 2501 Financial Institutions Management II (3 units)</td>
<td>MATHS 2104 Numerical Methods II (3 units)</td>
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<td></td>
<td>ACCTING 1002 Accounting for Decision Makers I (3 units)</td>
<td>ECON 2502 Financial Economics II or CORFIN 2502 Business Valuation II</td>
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<tr>
<td></td>
<td>ECON 2504 Intermediate Econometrics II (3 units)</td>
<td>MECH ENG 3017 Engineering Systems Design &amp; Communication (3 units)</td>
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<td></td>
<td>MECH ENG 3010 Manufacturing Engineering &amp; Quality Systems (3 units)</td>
<td>Level III Finance Course (3 units)</td>
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<td><strong>Year 4</strong></td>
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<td>CORFIN 2501 Portfolio Theory &amp; Management III (3 units)</td>
<td>MECH ENG 3105 Sustainability &amp; the Environment (3 units)</td>
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<td>MECH ENG 3103 Manufacturing Engineering &amp; Quality Systems (3 units)</td>
<td>MECH ENG 3102 Heat Transfer &amp; Thermodynamics (3 units)</td>
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<td></td>
<td>MECH ENG 3104 Numerical Methods II (3 units)</td>
<td>Engineering Elective Course (3 units)</td>
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<tr>
<td></td>
<td>CORFIN 2501 Portfolio Theory &amp; Management III (3 units)</td>
<td>MECH ENG 3102 Heat Transfer &amp; Thermodynamics (3 units)</td>
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<td>MECH ENG 3104 Numerical Methods II (3 units)</td>
<td>MECH ENG 3101 Applied Aerodynamics (3 units)</td>
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<td><strong>Year 5</strong></td>
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<tr>
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<td>MECH ENG 4143A Honours Project Part A (3 units) plus MECH ENG 4501 Level 4 Prac</td>
<td>MECH ENG 4502 Dynamics &amp; Control II (3 units)</td>
</tr>
<tr>
<td></td>
<td>MECH ENG 4143B Honours Project Part B (6 units) plus MECH ENG 4502 Level 4 Prac</td>
<td>MECH ENG 4143B Honours Project Part B (6 units) plus MECH ENG 4502 Level 4 Prac</td>
</tr>
<tr>
<td></td>
<td>MECH ENG 4143A Honours Project Part A (3 units) plus MECH ENG 4501 Level 4 Prac</td>
<td>MECH ENG 4502 Dynamics &amp; Control II (3 units)</td>
</tr>
</tbody>
</table>
Core vs Elective Courses

• Bachelor of Engineering (Honours) programs consist of mainly prescribed courses in Year 1, Year 2 and Year 3

• Elective choices
  – Final year of the program
  – Chosen from a closed group of elective courses
6 Steps to Prepare you for Enrolment

• Check your enrolment open time

• Check the Degree Finder for program and course information

• Print your Study Plan

• Check course availability using the University Course Planner
  https://access.adelaide.edu.au/courses/search.asp

• Plan your enrolment using the Class Planner Worksheet

• Complete your enrolment checklist in Access Adelaide
  http://www.adelaide.edu.au/enrol/instructions/how/
What is a course made up of?

- Several components to some courses
  - Lectures
  - Tutorials
  - Practicals
  - Workshops
  - Seminars

- Select components according to the Course Planner
  https://access.adelaide.edu.au/courses/search.asp
# MECH ENG 1007 - Engineering Mechanics - Dynamics

## Enrolment Class: Tutorial

<table>
<thead>
<tr>
<th>Class Nbr</th>
<th>Section</th>
<th>Size</th>
<th>Available</th>
<th>Dates</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
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<tbody>
<tr>
<td>20270</td>
<td>TU10</td>
<td>36</td>
<td>34</td>
<td>29 Jul - 16 Sep</td>
<td>Wednesday</td>
<td>10am - 11am</td>
<td>Ingkarni Wardi, B19, Teaching Suite</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>7 Oct - 28 Oct</td>
<td>Wednesday</td>
<td>10am - 11am</td>
<td>Ingkarni Wardi, B19, Teaching Suite</td>
</tr>
</tbody>
</table>

## Related Class: Lecture

<table>
<thead>
<tr>
<th>Class Nbr</th>
<th>Section</th>
<th>Size</th>
<th>Available</th>
<th>Dates</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>24564</td>
<td>LE02</td>
<td>290</td>
<td>277</td>
<td>28 Jul - 15 Sep</td>
<td>Tuesday</td>
<td>12pm - 1pm</td>
<td>Barr Smith South, 3029, Flentje Lecture Theatre</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>29 Jul - 18 Sep</td>
<td>Wednesday</td>
<td>1pm - 2pm</td>
<td>Medical School Nth, 103N, Florey Lecture Theatre</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>31 Jul - 18 Sep</td>
<td>Friday</td>
<td>2pm - 3pm</td>
<td>Medical School Nth, 103N, Florey Lecture Theatre</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>6 Oct - 27 Oct</td>
<td>Tuesday</td>
<td>12pm - 1pm</td>
<td>Barr Smith South, 3029, Flentje Lecture Theatre</td>
</tr>
</tbody>
</table>

## Related Class: Practical

<table>
<thead>
<tr>
<th>Class Nbr</th>
<th>Section</th>
<th>Size</th>
<th>Available</th>
<th>Dates</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
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<tbody>
<tr>
<td>24628</td>
<td>PR01</td>
<td>30</td>
<td>23</td>
<td>3 Aug - 3 Aug</td>
<td>Monday</td>
<td>1pm - 4pm</td>
<td>The Braggs, 450, Dry Pra 4A</td>
</tr>
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<td></td>
<td></td>
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<td>31 Aug - 31 Aug</td>
<td>Monday</td>
<td>1pm - 4pm</td>
<td>The Braggs, 450, Dry Pra 4A</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>12 Oct - 12 Oct</td>
<td>Monday</td>
<td>1pm - 4pm</td>
<td>The Braggs, 450, Dry Pra 4A</td>
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</table>
Enrolment Resources

- YouTube Video – ‘How to Enrol’


- Faculty Assistance Sessions
  - Available from Wednesday 12 February – 21 February
  - Call the Faculty Office on 8313 4148 to book a half-hour window
  - Plan your timetable prior to the session and complete the enrolment checklist

- Enrolment Error form
  https://ecms.adelaide.edu.au/current-students/enrolment/forms/?m=auth

- Enrolment Hotline: 8313 3833

- Course Outlines http://www.adelaide.edu.au/course-outlines/
  - Text books
  - Course Coordinators
Census Dates and Dropping Courses

• Two Census Dates
  – Semester 1: 31st of March & Semester 2: 31st of August
  – Check the website for critical dates

• Can I drop courses any time during semester?
  – Yes, up to a point but different grades are added to your transcript

• You can make changes to your enrolment until the second week of semester

• Any changes from second week onwards must be approved by a Course Coordinator
Bachelor of Engineering (Honours) Flexible Entry

- Who is commencing the flexible entry program this semester?
- Any specific questions – see staff at the end during question time
Advice from your fellow students (Video)
What do I need to do next?
What do I do after I enrol?

• Student Timetable Smart Phone App
  – The app provides you with a snapshot view of your timetable

• Activate your email account in webmail through Unified
• Go to Ask Adelaide in The Hub to receive your student card
  – Access printing quota
  – Access buildings and computer suites
Faculty of Engineering, Computer and Mathematical Sciences
2015 Enrolment Advice Session

Need Advice? Contact Us

• ECMS Faculty Office
  Level 1, Ingkarni Wardli Building

  Opening times
  Mon – Fri 8.45am – 4.45pm
  Wednesday Open at 11am

• Contact us
  Face to Face
  Email: ecms_office@adelaide.edu.au
  Phone: 8313 4148

  – Admission Information
  – Credit Transfers
  – Degree Checks
  – Graduation Information
  – Program Advice
  – Practical Experience

• Contact your School Office
  – Course advice
  – Course content and enrolment guidance
  – Study texts
  – My Uni related questions
Support Services

- **Counselling Service** - Ground Floor Horace Lamb Building - Drop-in service available 1 pm – 4pm
  
The Counselling Service is free and confidential and is available to all enrolled students seeking to address issues that may be affecting their study and life. Our professional counselling team is available to help you explore options to resolve these difficulties.

- **Maths Learning Centre** - Level 3 East, Hub Central - Drop-in service available 10 am – 4pm
  
The MLC exists to help students at the University of Adelaide succeed in learning and using the maths they need for university.

- **Writing Centre** - Level 3 East, Hub Central – Drop-in service available 10 am – 4pm
  [https://www.adelaide.edu.au/writingCentre/](https://www.adelaide.edu.au/writingCentre/)
  - Academic learning and language support and resources
  - Practical advice and strategies to master reading, writing, note-taking, and referencing techniques
  - Can help you develop your written English

- **Image & Copy Centre** – Level 1 Hughes Building
  - High quantity of copies including colour copies
  - Binding and laminating
Getting Started at Uni

• Transition from School to University
• University website
  – New student resources www.adelaide.edu.au/orientation/
• Faculty website
• Keep checking websites for updated information
• We will send you emails – read them for information and opportunities (ecms_outreach@adelaide.edu.au)
• O’Week – get involved
Orientation Week (O’Week) 2015
Explore the campuses, meet new friends and settle into university life

www.adelaide.edu.au/orientation/oweek/

• **When:** **Monday 23 February - Friday 27 February 2015**

• **Where:** North Terrace Campus and various buildings around campus

• **ECMS Welcome Talk – The Braggs Lecture Theatre**
  Monday 23rd February  11:00am and repeated at 1:00pm

• **Engineering Tours – Leaving from the Hub**
  Monday and Tuesday – 10:00am, 12:00pm and 2:00pm
  Book in at the AUES student stand on Barr Smith Lawns on the day

• **Opportunity to:**
  – Orientate yourself on campus
  – Find your teaching rooms according to your enrolments
  – Attend preliminary classes, welcome sessions and tours
  – Join various clubs and associations

• **More details - refer to the O’Guide**

• **Check the online O’Week Planner**
Survey and Question Time

• Please take a few minutes to fill out the survey on your chair

• Question Time

• Meet our Faculty Office team

• Good luck with your studies