



Prifysgol Cymru
Y Drindod Dewi Sant
University of Wales
Trinity Saint David

Trawsnewid Addysg; Trawsnewid Bywydau
Transforming Education; Transforming Lives

2020 – 2021 Induction

- 2:00 – 2:10 Welcome/Freshers Week Timetable
- 2:10 – 2:20 Staff Introductions
- 2:20 – 2:40 Ice Breaker
- 2:40 – 2:50 Programme Details
- 2:50 – 2:55 Delivery Methods
- 2:55 – 3:00 Expectations
- 3:00 – 3:05 Extenuating Circumstances
- 3:05 – 3:20 Covid-19 Protocols
- 3:20 – 3:40 Enrolling & Blended Teaching
- 3:40 – 3:50 Extra Curricular & Future Opportunities

Freshers Week Timetable

Kelvin Lake

Calendar

Send feedback

DASHBOARDS

Students

Help & Report

Staff

Welcome

Why UWTSD?

APPS

CORONAVIRUS INFO

Teams

Agenda

Calendar

06

07

08

09

10

11

12

13

14

15

16

17

18

19

10:00 – 11:00

Mech & Man Engineering

IQ002 (IQ – SA1 Campus)

11:00 – 12:00

Lib & Student Serv.

IQ002 (IQ – SA1 Campus)

12:00 – 13:00

Workshop Tour & Induction

IQ002 (IQ – SA1 Campus)

10:00 - 12:00

Induction for returning students: Mech Eng Portfolio

Microsoft Teams Meeting

14:00 - 16:00

Virtual "School Meet, Greet & Programme Introduction"

Microsoft Teams Meeting

14:00 – 15:00

IMechE Intro

Microsoft Teams Meeting

16:00 - 19:00

Advanced Stress Analysis & FEA (M6X00420)

IQ001 (IQ - SA1 Campus)

Toc



Staff Introductions

All - 2:10 to 2:20



Greg Owen
Academic Director for Eng
gregory.owen@uwtsd.ac.uk



Kelvin Lake
PD for Full Time BEngs
kelvin.lake@uwtsd.ac.uk



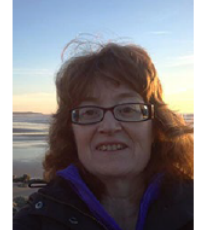
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Richard Sutton
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Chris Wyatt
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Rachel Alexander
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Richard Morgan
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Rob Goodson
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Arnaud Marotin
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Andrew Thorn
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Stephen Mosey
Senior Lecturer
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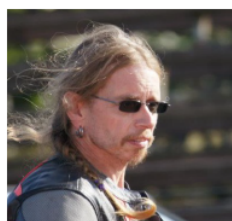
Jessica Leigh-Jones
Visiting Professor
jessicaleigh.jones@iungo.solutions



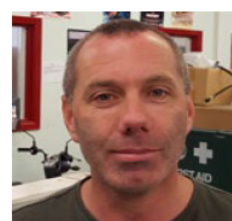
Dave Cooper
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Paul Davies
Motorsports Technical Officer
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Mark Fall
Engine Dyno Technical Officer
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Barry John
Engine Tech Technical Officer
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John Kinsella
Motorcycle Technical Officer
john.kinsella@uwtsd.ac.uk



Andrew Tibbott
Principal Technical Officer
andrew.tibbott@uwtsd.ac.uk

Ice Breaker

Kelvin Lake - 2:20 to 2:40

- 10 minutes
 - In your group write down the following (maintaining social distancing!):
 - What you are looking forward to
 - What you are not looking forward to & your concerns
 - Choose a spokesperson to feedback
- 10 minutes
 - Feedback session

Programme Details

Arnaud Marotin & Richard Morgan - 2:40 to 2:50

- Tutors/Class
- Staff/student meetings

Mech

Full-time study BEng & HND/C Mechanical Engineering

Module Code	Module Title	Module type	Credits
Year 1	Level 4	Semester 1&2	Sept. to May.
ACDB4002	Electrical & Electronic Principles	Compulsory	20
NEW	Engineering Design	Compulsory	20
NEW	Engineering Mathematics	Compulsory	20
ACHA4002	Engineering Science	Compulsory	20
ACEA4007	Engineering Applications & Study Skills	Core	20
ACMA4000	Materials and Introduction to Processing	Compulsory	20
Year 2	Level 5	Semester 1&2	Sept. to May.
NEW	Management Innovation and Sustainability	Core	20
ACHA5001	Control and Automation	Compulsory	20
NEW	Group Project	Compulsory	20
ACMA5002	Manufacturing Design and Technology	Compulsory	20
NEW	Stress Analysis & Dynamics	Compulsory	20
NEW	Thermofluid Mechanics	Compulsory	20
Year 3	Level 6	Semester 1&2	Sept. to Feb.
ACMA6000	Advanced Processes & Materials	Compulsory	20
NEW	Advanced Thermofluid Mechanics	Compulsory	20
NEW	Computational Methods	Compulsory	20
NEW	Major Project	Compulsory	40
NEW	Structural and Fluid Analysis	Compulsory	20

Mech & Man

Full-time study BEng & HND Mechanical & Manufacturing Engineering

Module Code	Module Title	Module type	Credits
Year 1	Level 4	Semester 1&2	Sept. to May.
ACDB4002	Electrical & Electronic Principles	Compulsory	20
NEW	Engineering Design	Compulsory	20
NEW	Engineering Mathematics	Compulsory	20
ACHA4002	Engineering Science	Compulsory	20
ACEA4007	Engineering Applications & Study Skills	Core	20
ACMA4000	Materials and Introduction to Processing	Compulsory	20
Year 2	Level 5	Semester 1&2	Sept. to May.
NEW	Management Innovation and Sustainability	Core	20
NEW	Group Project	Compulsory	20
ACMA5002	Manufacturing Design and Technology	Compulsory	20
ACMA5005	Six Sigma Green Belt	Compulsory	20
NEW	Stress Analysis & Dynamics	Compulsory	20
NEW	Thermofluids and Control	Compulsory	20
Year 3	Level 6	Semester 1&2	Sept. to May
ACMA6000	Advanced Processes & Materials	Compulsory	20
NEW	Computational Methods	Compulsory	20
NEW	Major Project	Compulsory	40
ACMA6007	Plant and Asset Engineering	Core	20
NEW	Structural and Fluid Analysis	Compulsory	20

Energy

Full-time study BEng & HND Energy & Environmental Engineering

Module Code	Module Title	Module type	Credits
Year 1	Level 4	Semester 1&2	Sept. to May.
ACBD4002	Electrical & Electronic Principles	Compulsory	20
ACMA4000	Materials & Introduction to Processing	Compulsory	20
NEW	Engineering Design	Compulsory	20
NEW	Engineering Mathematics	Compulsory	20
ACHA4002	Engineering Science	Compulsory	20
ACEA4007	Engineering Applications & Study Skills	Core	20
Year 2	Level 5	Semester 1&2	Sept. to May.
NEW	Control and Automation	Compulsory	20
NEW	Management Innovation and Sustainability	Core	20
ACEA5003	Environmental Engineering & Sustainable Energy	Compulsory	20
NEW	Group Project	Compulsory	20
NEW	Stress Analysis & Dynamics	Compulsory	20
NEW	Thermofluid Mechanics	Compulsory	20
Year 3	Level 6	Semester 1&2	Sept. to May
NEW	Computational Methods	Compulsory	20
NEW	Environmental Pollution Control	Compulsory	20
NEW	Independent Project	Compulsory	40
ACMA6007	Plant and Asset Engineering	Core	20
NEW	Structural and Fluid Analysis	Compulsory	20

Programme Details

Level 4

Semester	Module Title	Module Type	Credits	Tutor
1	Engineering Mathematics	Compulsory	20	Richard Sutton
1	Engineering Science	Compulsory	20	Abi Summerfield
1	Engineering Applications & Study Skills	Compulsory	20	Razia Bano & Arnaud Marotin & Chris Wyatt
2	Electrical & Electronic Principles	Compulsory	20	Steve Mosey
2	Engineering Design	Compulsory	20	Richard Morgan
2	Materials & Intro to Processing	Compulsory	20	Chris Wyatt

Programme Details

Foundation Year (HE STEM)

Semester	Module Title	Module Type	Credits	Tutor
1	Introduction to Maths & Science	Compulsory	20	Richard Sutton
1	Introduction to Engineering Applications	Compulsory	20	Arnaud Marotin & Richard Morgan
1	Academic Skills	Compulsory	20	Andrew Noble
2	Further Mathematics	Compulsory	20	Richard Sutton
2	Further Science for Engineering	Compulsory	20	Abi Summerfield
2	Integrating Project	Compulsory	20	Richard Sutton

Delivery Methods

Richard Morgan - 2:50 to 2:55

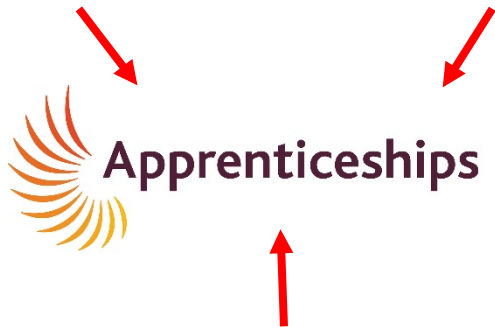
Full Time <> Part Time



Llywodraeth Cymru
Welsh Government



Prifysgol Cymru
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University of Wales
Trinity Saint David



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WALLCOLMONOY

Employers



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precisely.



VALERO™

DEGREE APPRENTICESHIPS

STUDY

WORK

PAY

DEGREE APPRENTICESHIPS GIVE YOU THE CHANCE TO WORK TOWARDS A FULLY PAID UNIVERSITY DEGREE WHILE TRAINING FOR A HIGH-SKILLED JOB.

TELL ME THE FACTS

THE COURSE IS DESIGNED BY EMPLOYERS, GIVING YOU SKILLS DIRECTLY RELEVANT TO YOUR AREA OF WORK

STUDY
WORK

YOU'LL STUDY FOR AROUND ONE DAY A WEEK, OR IN A BLOCK

3-6
YEAR COURSE

COURSES USUALLY LAST 3-6 YEARS



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Expectations

Kelvin Lake - 2:55 to 3:00

- Attend lectures and engage with the course
- Complete registers
 - Track and trace
 - Engaged with the course
- Work outside of lectures
 - For a typical module
 - Timetable classes = 48 Hours
 - Independent learning = 152 Hours
 - Examples
 - Past papers
- Enjoy your course

Extenuating Circumstances Procedure (ECP)

Arnaud Marotin – 3:00 to 3:05

- Form to be completed online via MyTSD if a student cannot submit a coursework or attend an exam.
- A guide is available on MyTSD that can be accessed through the Hwb.
- Claims **must** be submitted as soon as possible and **must** be received no more than **21 days** after the original date of assessment.
- Verifiable independent documentary evidence to support all claims must be provided.
- Always a good thing to add to your claim a supporting letter from Student Services.
- To contact Student Services, visit <https://uwtsd.ac.uk/student-services/>
- Or contact **Valery Harding**, Learning Support Manager for Wales Institute of Science and Art (WISA) valerie.harding@uwtsd.ac.uk

Greg Owen & Kelvin Lake – 3:05 to 3:20

Greg Owen & Kelvin Lake – 3:05 to 3:20

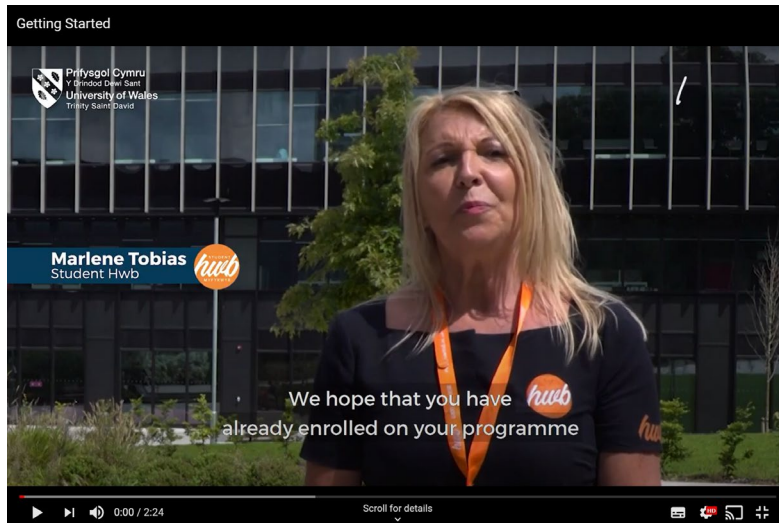
- Prafaraj Centre
University of Wollongong
New South Wales
- # IO
- # 3
- ## 201-316
- 305 Staff Work Room
 - 300 Learning Studio K
 - 307 Learning Studio L
 - 306 Learning Studio M
 - 307 Learning Studio N
 - 308 Learning Studio O
 - 312 Learning Studio Q
-
- # 2
- ## 201-213
- 201 Environmental Science Laboratory
 - 202 Learning Studio A
 - 203 Post Graduate Research Room
 - 204 Games Laboratory
 - 205 Remains Laboratory
 - 206 Electronic Laboratory
 - 207 Technology
 - 208 Electrical & Electronics Laboratory
 - 209 Airconditioning
 - 210 Architectural Studio
-
- # 1
- ## 201-115
- 101 Learning Studio C
 - 102 Learning Studio D
 - 103 Learning Studio E
 - 104 Learning Studio F
 - 105 Learning Studio G
 - 106 Learning Studio H
 - 107 Learning Studio I
 - 108 Computer Studio B
 - 109 Learning Studio J
 - 110 Computer Studio C
 - 111 Computer Studio D
 - 112 Computer Studio F
-
- # 0
- ## 001-024
- 001 Learning Studio A
 - 002 Learning Studio B
 - 003 Tutor
 - 004 Computer Studio A
 - 005 Learning Studio
 - 006 Project Room
 - 007 Engineering Science Laboratory
-
- 011 Non-Traditional Teaching Laboratory
 - 012 Laboratory
 - 013 Microcomputer Laboratory
 - 014 Engineering Science Laboratory
 - 015 Design Department
 - 016 Impact Properties Laboratory
 - 017 Materials Laboratory
 - 018 Impact Properties Laboratory
 - 019 Impact Properties Laboratory
 - 020 Impact Properties Laboratory
 - 021 Impact Properties Laboratory
 - 022 Impact Properties Laboratory
 - 023 Impact Properties Laboratory
 - 024 Impact Properties Laboratory



Enrolling & Blended Teaching

Kelvin Lake - 3:20 to 3:40

- Getting Started



- Microsoft Teams Etiquette

- Moodle & Turnitin

- Handbooks
- Plagiarism

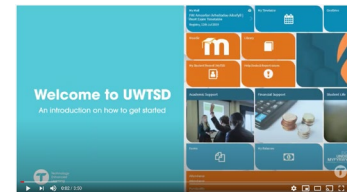


- Labstats (remotePC)



- Hwb

- Accessing your timetable

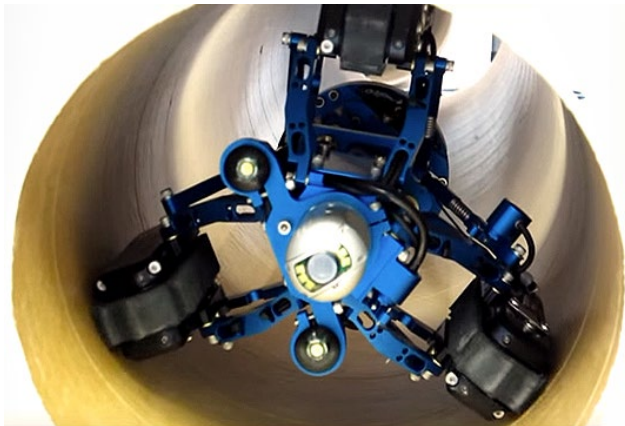
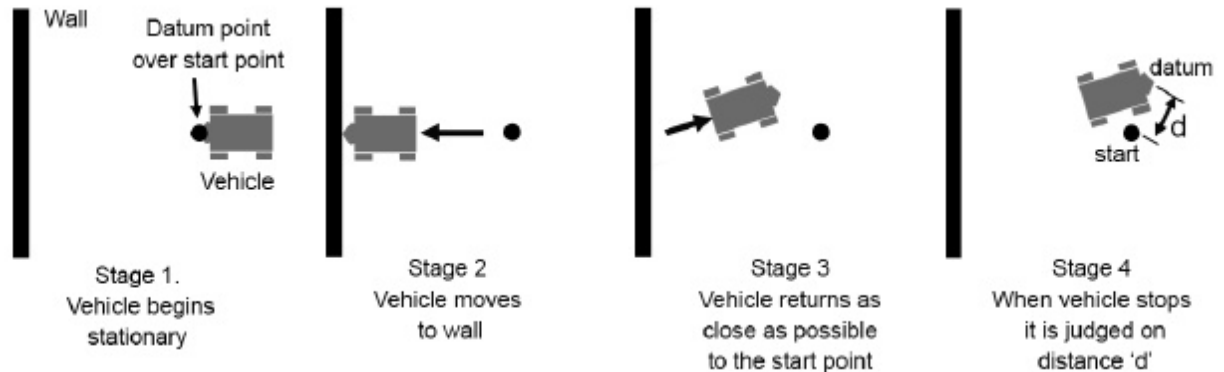


Extra Curricular & Future Opportunities

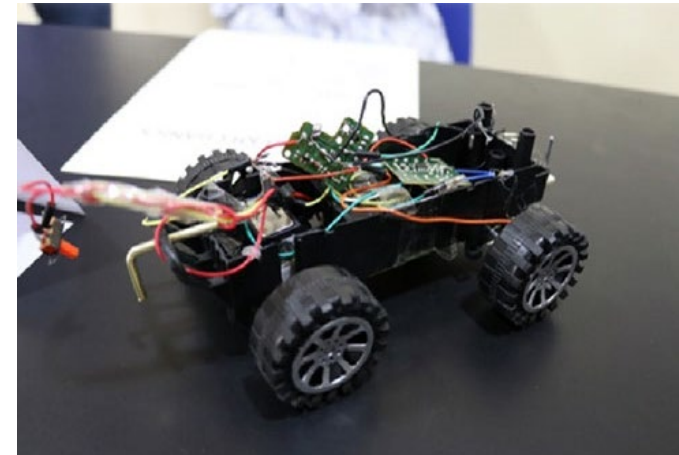
Richard Morgan & Andrew Thorn - 3:40 to 3:50

Institution of
**MECHANICAL
ENGINEERS**

Design Challenge



- Auto Return Vehicle
- Internal Pipe Crawler
- External Pipe Crawler
- Tug of War on Water
- Line Launcher



Extra Curricular & Future Opportunities

Richard Morgan & Andrew Thorn - 3:40 to 3:50



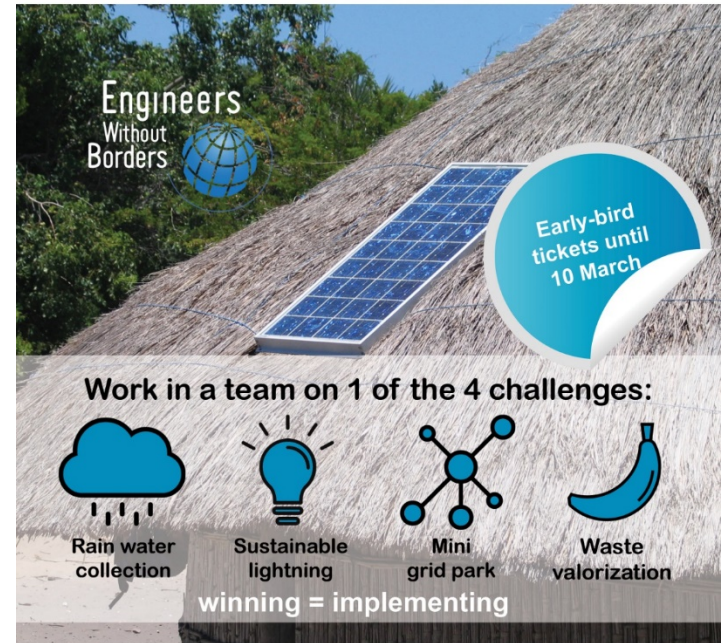
THE EWB Challenge



Design Challenge

Energy and Engineering for Africa

sponsored by  JONG STEDIN GROEP

A graphic for the Design Challenge featuring a thatched roof with a solar panel. The Engineers Without Borders logo is in the top left. A blue circular sticker in the top right says 'Early-bird tickets until 10 March'. Below the roof, the text 'Work in a team on 1 of the 4 challenges:' is followed by four icons: a cloud with rain (Rain water collection), a lightbulb (Sustainable lightning), a network of nodes (Mini grid park), and a banana (Waste valorization). At the bottom, it says 'winning = implementing'.

Friday 5 April 2019 @ Stedin Rotterdam, Blaak 8

subscribe: www.ewbnl.org/challenge

Extra Curricular & Future Opportunities

Richard Morgan & Andrew Thorn - 3:40 to 3:50



- Industrial Robotics
- Industrial Control
- Manufacturing Team Challenge
- Mechanical Eng CAD
- Mechatronics
- CNC Milling





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The Manufacturing Technologies Association



Facebook: Engineering at UWTSD
Insta: uwtsd_engineering
Twitter: @uwtsd_soe