

# Universidade do Minho

Faculty of Engineering - PhD Programme

Module: **Innovation**

Lecturer: **Dr. David O'Sullivan**

Dates: October 26<sup>th</sup>, 27<sup>th</sup>, 29<sup>th</sup>, 30<sup>th</sup>, 31<sup>st</sup>.

## Introduction

This course on Innovation will help you learn some practice applying innovation skills in any organization e.g. creativity, project management, strategic planning, and so on. You should only join this course if you are prepared to fully engage in the talks and online exercises and be prepared to enjoy the learning experience. Students will be divided into teams of two or three for the exercises that will be linked to the talks.

## Talks

30-40 minutes talks on the following topics:

1. Managing Change
2. Goal Definition
3. Defining Innovation.pdf
4. Failures and Success
5. Stakeholder Analysis
6. Portfolio Management
7. Performance Measurement
8. Product Development
9. Lean Start-ups
10. Motivating Performance
11. Managing Projects
12. Managing Knowledge
13. Ideas and Creativity
14. Effective Leadership
15. Effective Teams
16. Extending Innovation
17. Building Communities

## Research Skills Talks

30-40 minutes talks on improving research skills:

1. Publishing Your Research
2. Journal Impacts and Citations
3. Presentation Skills

## Student Exercises

Online exercises for students to complete in groups

1. Favourite Videos
2. Project Management
3. Process Analysis
4. SWOT Analysis
5. Requirements Gathering
6. Balanced Scorecard
7. Favourite Helpful SaaS Tool
8. Performance Measurement
9. Project Portfolios
10. Skills Development
11. Start-up Business Plan
12. Presentation

## Social Networking

All students are to register on the following services:

1. <http://join.lore.com/KWHTBK> - Online Learning Environment
2. [www.ideaslog.com](http://www.ideaslog.com) - Project Management System
3. [www.leancanvas.com](http://www.leancanvas.com) - Business Planning System