# CI9.S.2.5 Innovation and Entrepreneurship

|  |  |
| --- | --- |
| **Course leader:** | Professor Andrew Davies |
| **Other contributors:** | Mr Eric Woodcock, Professor Tim Brady, Dr Nick Leon |
| Term: | Summer  |
| Contact hours: | 25 |
|  |  |

## 1.0 Aims

This module aims to introduce the student to the need for appropriate management strategies for new systems technologies in M&E services. This module accompanies the dissertation project.

## 2.0 Syllabus

* The course consists of workshops run alongside the Master’s thesis

## 3.0 Intended learning outcomes

* Knowledge of the basic principles of successful innovation management
* The ability to delivering change in a technical organisation
* An understanding of how to deploy innovation in design
* An understanding of how innovation can be seen as a system

## 4.0 Assessment

* Assessment of this module is in the form of progress tests usually given as in class group work and individual exercises and presentations.

## 5.0 Recommended reading

C = Core, S = Supplementary

|  |  |
| --- | --- |
| C | Flyvberg, B. (2005) *Design by Deception – The Politics of Megaproject Approval,* [Online], Harvard Design Magazine, Available from: <http://flyvbjerg.plan.aau.dk/HARVARDDESIGN63PRINT.pdf> |
| C | Shenhar, A.J. and Dvir, D. (2007), *Reinventing Project Management: The Diamond Approach to Successful Growth and Innovation,* Boston, Mass: Harvard Business School Press. |
| C | Dvir, D. and Shenhar, A.J. (2011), What great projects have in common’, *MIT Sloan Management Review*, Spring 2011, Vol. 52, No. 3, 19-21.  |
|  | Gann, D., Slater, A., Dodgson, M. and Phillips, N. (2012). ‘Inside the world of the project baron’, *MIT Sloan Management Review*, Vol. 53, No. 3, 63-71.  |
| C | De Meyer, A., Loch, C. H. and Pich, M. T. (2002). ‘Managing project uncertainty: from variation to chaos’, *MIT Sloan Management Review*, Winter 2002, 60-67. |
| C | Davies, A., Gann, D. and Douglas, T. (2009). ‘Innovation in Megaprojects: Systems Integration at London Heathrow Terminal 5’, *California Management Review*, Special Issue: ‘Infrastructure Privatization’, Vol. 51, No. 2, 101-125 |