

Liverpool John Moores University

Title: MANAGEMENT PRINCIPLES AND CONTRACTUAL PROCEDURES
Status: Definitive
Code: **5106BEHN** (118165)
Version Start Date: 01-08-2011
Owning School/Faculty: Built Environment
Teaching School/Faculty: Built Environment

| Team | Leader |
|-----------------|--------|
| Amr Sourani | Y |
| Fiona Borthwick | |

Academic Level: FHEQ5 **Credit Value:** 24.00 **Total Delivered Hours:** 74.00
Total Learning Hours: 240 **Private Study:** 166

Delivery Options

Course typically offered: Standard Year Long

| Component | Contact Hours |
|-----------|---------------|
| Lecture | 66.000 |
| Tutorial | 6.000 |

Grading Basis: BTEC

Assessment Details

| Category | Short Description | Description | Weighting (%) | Exam Duration |
|------------|-------------------|-------------|---------------|---------------|
| Test | AS1 | | 25.0 | |
| Exam | AS3 | | 50.0 | 2.00 |
| Technology | AS2 | | 25.0 | |

Aims

To introduce students to the concepts and procedures used in the procurement and management of construction projects.

Learning Outcomes

After completing the module the student should be able to:

- 1 Demonstrate an understanding of the role of stakeholders in construction projects
- 2 Identify the legal and contractual arrangements used in the procurement of construction projects
- 3 Identify the characteristics of various procurement options and contract types used in the UK construction industry and the various procurement solutions suitable for various scenarios.
- 4 Demonstrate an understanding of pre-tender, pre-contract planning and contract planning
- 5 Apply basic planning and programming techniques to construction projects
- 6 Produce basic construction programmes using appropriate software
- 7 Demonstrate an understanding of basic project control techniques

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

| | | | |
|---------------------|---|---|---|
| In class assessment | 1 | 3 | |
| Exam | 2 | 5 | 7 |
| Technological task | 4 | 6 | |

Outline Syllabus

Statutory approvals and regulations

Formation of contract

Contractual arrangements

Procurement strategies and contract types

Tendering procedures

Procurement route selection

Project definition: Client types; clients' requirements; briefing: time, cost, quality and functional objectives; sustainability and environmental issues.

Project stakeholders and their management

Pre-tender, pre-contract planning and contract planning

Health and safety management

Method Statements and risk assessments

Site planning

Risk and value management

Time planning and programming techniques: Network Analysis and Precedence

Diagrams

Cost planning and estimating

Cash flow forecasting

Quality management

Project control techniques

Learning Activities

Lectures and Tutorials

References

| | |
|------------------------|--|
| Course Material | Book |
| Author | B. Cooke & P. Williams |
| Publishing Year | 2009 |
| Title | Construction Planning, Programming and Control |
| Subtitle | |
| Edition | 3rd edition |
| Publisher | Wiley-Blackwell |
| ISBN | |

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|------------------------|--|
| Course Material | Book |
| Author | F. Harris, R. McCaffer & F. Edum-Fotwe |
| Publishing Year | 2006 |
| Title | Modern Construction Management |
| Subtitle | |
| Edition | 6th edition |
| Publisher | Wiley-Blackwell |
| ISBN | 1405133252 |

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|------------------------|--|
| Course Material | Book |
| Author | M. Hackett, I. Robinson & G. Statham |
| Publishing Year | 2007 |
| Title | The Aqua Group Guide to Procurement, Tendering and Contract Administration |
| Subtitle | |
| Edition | |
| Publisher | Blackwell Publishing |
| ISBN | 1405131985 |

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|------------------------|---|
| Course Material | Book |
| Author | A. Ashworth |
| Publishing Year | 2005 |
| Title | Contractual Procedures in the Construction Industry |
| Subtitle | |
| Edition | 5th edition |
| Publisher | Prentice Hall |
| ISBN | 0131298275 |

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|------------------------|------------------------|
| Course Material | Book |
| Author | E. Baker & R. Champion |
| Publishing Year | 2008 |

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|------------------|---|
| Title | Tendering and Procurement in Construction |
| Subtitle | |
| Edition | |
| Publisher | RICS |
| ISBN | 184219433X |

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|------------------------|--|
| Course Material | Book |
| Author | R. Fellows, D. Langford, R. Newcombe & S. Urry |
| Publishing Year | 2002 |
| Title | Construction Management in Practice |
| Subtitle | |
| Edition | 2nd edition |
| Publisher | Blackwell |
| ISBN | |

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|------------------------|-----------------------------------|
| Course Material | Book |
| Author | J. R. Illingworth |
| Publishing Year | 2000 |
| Title | Construction Methods and Planning |
| Subtitle | |
| Edition | 2nd edition |
| Publisher | Spon Press |
| ISBN | 041924980X |

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|------------------------|-----------------------------------|
| Course Material | Book |
| Author | S. Owen |
| Publishing Year | 2000 |
| Title | Law for the Construction Industry |
| Subtitle | |
| Edition | 2nd edition |
| Publisher | Longman |
| ISBN | 0582287081 |

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|------------------------|------------------------------|
| Course Material | Book |
| Author | D. Keenan |
| Publishing Year | 2004 |
| Title | Smith & Keenan's English Law |
| Subtitle | |
| Edition | 14th edition |
| Publisher | Longman |
| ISBN | 0582822912 |

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|------------------------|--------------------------------|
| Course Material | Book |
| Author | N.J. Smith |
| Publishing Year | 2007 |
| Title | Engineering Project Management |
| Subtitle | |

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|------------------|-----------------|
| Edition | 3rd edition |
| Publisher | Wiley-Blackwell |
| ISBN | 1405168021 |

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|------------------------|------------------|
| Course Material | Book |
| Author | J. Uff |
| Publishing Year | 2009 |
| Title | Construction Law |
| Subtitle | |
| Edition | 10th edition |
| Publisher | Sweet & Maxwell |
| ISBN | 1847037674 |

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|------------------------|--|
| Course Material | Reports |
| Author | Office for Government Commerce |
| Publishing Year | 2007 |
| Title | Excellence in Construction Procurement Guide: Project Procurement Lifecycle – The Integrated Process (Guide 3) |
| Subtitle | |
| Edition | |
| Publisher | Government Publication |
| ISBN | |

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|------------------------|---|
| Course Material | Reports |
| Author | Office for Government Commerce |
| Publishing Year | 2007 |
| Title | Achieving Excellence in Construction Procurement Guide: Procurement and Contract Strategies (Guide 6) |
| Subtitle | |
| Edition | |
| Publisher | Government Publication |
| ISBN | |

Notes

This module equips students with knowledge and understanding of important concepts and techniques used in construction project management.