IB261-15 Enterprise Information Systems

20/21

Department
> Warwick Business School

Level
> Undergraduate Level 2

Module leader
> Andrew Martin

Credit value
> 15

Module duration
> 9 weeks

Assessment
> 100% coursework

Study location
> University of Warwick main campus, Coventry

Description

Introductory description

NA

Module aims

Enterprise Information Systems refers to issues of large scale corporate information systems, their implementation and project management.
The module offers theoretical frameworks to analyse these issues, reinforced by applying to published case studies.
It also offers students concrete experiences of Enterprise Information Systems Management by means of a participatory on-line simulation and an introductory exposure to the SAP Enterprise Resource Planning software package.

Outline syllabus

This is an indicative module outline only to give an indication of the sort of topics that may be covered. Actual sessions held may differ.

The module introduces the concept of Enterprise Information Systems with a focus on Enterprise Resource Planning (ERP) suites. An associated concept is Business Process Redesign, that is essentially large scale business analysis, and leads to requirements for the ERP system.
ERP systems are historically very problematic with respect to implementation, so the module presents and analyses some classic implementation case studies, deriving a strong feel for success and failure factors, and risks in general. It presents an ERP life cycle conceptual framework to support this analysis.
Finally, the student experience is underpinned by engagement in approximately three hands-on worked scenarios using the SAP ERP package

Learning outcomes

By the end of the module, students should be able to:

- Demonstrate an understanding of the nature of enterprise information systems (ERP systems) in organisations and their role in the redesign/transformation of business processes and organisational integration.
- Be able to demonstrate critical understanding of the key management challenges and success factors attending the development of enterprise information systems in the modern firm.
- Demonstrate an understanding of the process and methodology of implementing enterprise information systems.
- Conduct project planning and management to deliver assessed pieces.
- Recognise and differentiate between business, technical and organisational aspects of a problem.
- Analyse a business situation to identify key influencing factors of the outcome, and their effect
- Apply theoretical frameworks to practical situations.
- Obtain substantial hands-on experience in the configuration and implementation of an industrial-strength ERP system (e.g. SAP ByDesign) that enables cross-functionally integrated business processes.
- Demonstrate written and oral communication skills

Indicative reading list

Motiwalla, LF and Thompson, J. (2012) Enterprise Systems for Management (2 Ed). Pearson.
Sumner, M. (2005) Enterprise Resource Planning. Pearson.

Subject specific skills

Conduct project planning and management to deliver assessed pieces. Recognise and differentiate between business, technical and organisational aspects of a problem.

Transferable skills

Obtain substantial hands-on experience in the configuration and implementation of an industrial-strength ERP system (e.g. SAP ByDesign) that enables cross-functionally integrated business processes. Demonstrate written and oral communication skills

Study

Study time

Type	Required
Lectures	10 sessions of 1 hour (7%)
Seminars	9 sessions of 2 hours (12%)
Other activity	8 hours (5%)
Private study	41 hours (27%)
Assessment	73 hours (49%)
Total	150 hours

Private study description

Private study.

Other activity description

Other Activity:
These are listed as Laboratory Session (repeated for groups)

Costs

No further costs have been identified for this module.

Assessment

You do not need to pass all assessment components to pass the module.

Assessment group A

	Weighting	Study time
Group Project 1500 words	30%	22 hours
Individual Assignment (15 CATS) Individual Assignment	70%	51 hours

Feedback on assessment

Verbal and written.

Availability

Courses

This module is Optional for:

- UIBA-N203 BSc in International Management
  - Year 2 of N203 International Management
  - Year 2 of N203 International Management
  - Year 2 of N238 International Management with Finance
  - Year 2 of N256 International Management with Marketing
  - Year 4 of N203 International Management
  - Year 4 of N203 International Management
  - Year 4 of N238 International Management with Finance
  - Year 4 of N256 International Management with Marketing
- UIBA-N201 BSc in Management
  - Year 2 of N201 Management
  - Year 2 of N20B Management
  - Year 2 of N230 Management with Finance
  - Year 2 of N232 Management with Finance
  - Year 2 of N250 Management with Marketing
  - Year 3 of N201 Management
  - Year 3 of N20B Management
  - Year 3 of N230 Management with Finance
  - Year 3 of N232 Management with Finance
  - Year 3 of N250 Management with Marketing
- UIBA-N202 BSc in Management (with Intercalated Year/UPP)
  - Year 2 of N210 Management (Undergraduate Partnership Programme)
  - Year 2 of N202 Management (with Intercalated Year)
  - Year 2 of N20C Management (with Placement Year)
  - Year 2 of N231 Management with Finance (with Intercalated Year)
  - Year 2 of N251 Management with Marketing (with Intercalated Year)
  - Year 4 of N210 Management (Undergraduate Partnership Programme)
  - Year 4 of N202 Management (with Intercalated Year)
  - Year 4 of N20C Management (with Placement Year)
  - Year 4 of N231 Management with Finance (with Intercalated Year)
  - Year 4 of N251 Management with Marketing (with Intercalated Year)
- UIBA-NN36 Undergraduate Accounting and Finance (with Intercalated Year/Undergraduate Partnership Programme)
  - Year 2 of NN36 Accounting and Finance (Intercalated)
  - Year 2 of NN37 Accounting and Finance (Undergraduate Partnership Programme)
  - Year 4 of NN36 Accounting and Finance (Intercalated)
  - Year 4 of NN37 Accounting and Finance (Undergraduate Partnership Programme)

- UCSA-GN51 Undergraduate Computer and Business Studies
  - Year 2 of GN51 Computer and Business Studies
  - Year 3 of GN51 Computer and Business Studies
- Year 3 of UCSA-G5N1 Undergraduate Computer and Management Sciences
- UIBA-N211 Undergraduate Information Systems Management and Innovation
  - Year 2 of N211 Information Systems Management and Innovation
  - Year 3 of N211 Information Systems Management and Innovation
- UIBA-N140 Undergraduate International Business
  - Year 2 of N140 International Business
  - Year 4 of N140 International Business
- UIBA-MN31 Undergraduate Law and Business Studies
  - Year 2 of MN31 Law and Business Studies (Three-Year)
  - Year 3 of MN31 Law and Business Studies (Three-Year)
- UIBA-MN32 Undergraduate Law and Business Studies
  - Year 2 of MN32 Law and Business Studies (Four-Year)
  - Year 3 of MN32 Law and Business Studies (Four-Year)
  - Year 4 of MN32 Law and Business Studies (Four-Year)
- Year 3 of UMAA-G1N2 Undergraduate Mathematics and Business Studies (with Intercalated Year)
- Year 3 of UPXA-F3N1 Undergraduate Physics and Business Studies