

IB261-12 Enterprise Information Systems - FOR DISCONTINUATION

20/21

Department

Warwick Business School

Level

Undergraduate Level 2

Module leader

Andrew Martin

Credit value

12

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	13 sessions of 1 hour (11%)
Seminars	6 sessions of 1 hour (5%)
Other activity	8 hours (7%)
Private study	93 hours (78%)
Total	120 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 A2

	Weighting	Study time
Group Case Study Presentation Presentation 20 minutes long.	20%	
Group ERP Presentation Presentation 20 minutes long	20%	
Individual Case Study Analysis 2000 words	60%	

Feedback on assessment

Verbal and written.

Availability

Courses

This module is Core for:

- Year 2 of UIBA-N211 Undergraduate Information Systems Management and Innovation
- UIBA-N214 Undergraduate Information Systems Management and Innovation (with Intercalated Year)
 - Year 2 of N214 Information Systems Management and Innovation (with Intercalated Year)
 - Year 3 of N214 Information Systems Management and Innovation (with Intercalated Year)

This module is Optional for:

- Year 3 of UESA-HN11 BSc Engineering and Business Studies
- UIBA-N203 BSc in International Management
 - Year 2 of N203 International Management
 - Year 2 of N203 International Management
- Year 2 of UIBA-N201 BSc in Management
- Year 2 of UIBA-N202 BSc in Management (with Intercalated Year/UPP)
- UIBA-MN34 Law and Business Four Year (Qualifying Degree)
 - Year 3 of MN34 Law and Business Studies Four Year (Qualifying Degree)
 - Year 4 of MN34 Law and Business Studies Four Year (Qualifying Degree)
- UIBA-N140 Undergraduate International Business
 - Year 2 of N140 International Business
 - Year 4 of N140 International Business
- UIBA-N1R1 Undergraduate International Business with French
 - Year 2 of N1R1 International Business with French
 - Year 4 of N1R1 International Business with French
- UIBA-N1R2 Undergraduate International Business with German
 - Year 2 of N1R2 International Business with German
 - Year 4 of N1R2 International Business with German
- UIBA-N1R3 Undergraduate International Business with Italian
 - Year 2 of N1R3 International Business with Italian
 - Year 4 of N1R3 International Business with Italian
- UIBA-N1R4 Undergraduate International Business with Spanish
 - Year 2 of N1R4 International Business with Spanish
 - Year 4 of N1R4 International Business with Spanish
- Year 3 of UIBA-MN31 Undergraduate Law and Business Studies
- Year 3 of UIBA-MN32 Undergraduate Law and Business Studies
- UIBA-MN35 Undergraduate Law and Business Studies with Intercalated Year (3+1)
 - Year 3 of MN35 Law and Business Studies with Intercalated Year (3+1)

- Year 4 of MN35 Law and Business Studies with Intercalated Year (3+1)
- Year 3 of UIBA-N20A Undergraduate Management (with Foundation Year)
- Year 3 of UMAA-G1NC Undergraduate Mathematics and Business Studies
- Year 3 of UPXA-F3N1 Undergraduate Physics and Business Studies

This module is Option list A for:

- UIBA-N203 BSc in International Management
 - Year 4 of N203 International Management
 - Year 4 of N203 International Management
- Year 3 of UIBA-N201 BSc in Management
- Year 4 of UIBA-N202 BSc in Management (with Intercalated Year/UPP)

This module is Option list B for:

- UIBA-N201 BSc in Management
 - Year 2 of N230 Management with Finance
 - Year 2 of N250 Management with Marketing
 - Year 3 of N230 Management with Finance
 - Year 3 of N250 Management with Marketing
- UIBA-N202 BSc in Management (with Intercalated Year/UPP)
 - Year 2 of N231 Management with Finance (with Intercalated Year)
 - Year 2 of N251 Management with Marketing (with Intercalated Year)
 - Year 4 of N231 Management with Finance (with Intercalated Year)
 - Year 4 of N251 Management with Marketing (with Intercalated Year)
- UIBA-NN35 Undergraduate Accounting and Finance
 - Year 2 of NN35 Accounting and Finance
 - Year 3 of NN35 Accounting and Finance
- Year 3 of UIBA-N4N4 Undergraduate Accounting and Finance (with Foundation 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)