

# WM243-18 Information Management

**20/21**

**Department**

WMG

**Level**

Undergraduate Level 2

**Module leader**

Tony Green

**Credit value**

18

**Module duration**

30 weeks

**Assessment**

Multiple

**Study location**

University of Warwick main campus, Coventry

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## Description

### Introductory description

Information Management is primarily concerned with the capture, digitisation, representation, organisation, transformation, and presentation of information; algorithms for efficient and effective access and updating of stored information; data modelling and abstraction; and physical file storage techniques. Cyber security has to be embedded within information management.

### Module aims

- 1 - Interact with repositories of information via suitable queries
- 2 - Critically evaluate the cyber consequences that flow from the management of information in a given scenario.

### 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.

#### Outline content

The content of this module will be taught from a cyber security perspective.

- information management concepts

- database systems
- data modelling
- relational databases
- access control

## Learning outcomes

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

- 1 - Interact with repositories of information via suitable queries
- 2 - Critically evaluate the cyber consequences that flow from the management of information in a given scenario.

## Indicative reading list

Connolly, Thomas and Begg, Carolyn, "Database Systems: A Practical Approach to Design, Implementation, and Management", 6 Ed, Pearson (2014)

Cox, Sharon A., "Managing Information in Organizations: A Practical Guide to Implementing an Information Management Strategy", Palgrave Macmillan (2014)

Hills, Ted, "NoSQL and SQL Data ModelingModelling: Bringing Together Data, Semantics, and Software", Technics Publications (2016)

## Subject specific skills

- 1 - Interact with repositories of information via suitable queries
- 2 - Critically evaluate the cyber consequences that flow from the management of information in a given scenario.

## Transferable skills

Information literacy

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## Study

### Study time

Type	Required
Supervised practical classes	18 sessions of 2 hours 30 minutes (25%)
Private study	46 hours (26%)
Assessment	89 hours (49%)
Total	180 hours

## Private study description

Independent activity between workshops, following up on activities initiated in previous workshops or preparing for upcoming workshops.

## Costs

No further costs have been identified for this module.

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## Assessment

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

### Assessment group A

	Weighting	Study time
Coursework 1	50%	
Coursework 2	50%	

### Assessment group R1

	Weighting	Study time
Coursework (Resit)	100%	

## Feedback on assessment

Written feedback for each assignment  
Verbal feedback during tutorial sessions  
Solutions provided to tutorial questions  
Summative feedback on assignments and exam

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## Availability

## Courses

This module is Core for:

- UWMA-H651 Undergraduate Cyber Security
  - Year 2 of H651 Cyber Security
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