

## Vesalius College

### Course description

**Course title:** Introduction to Information Systems

**Course code:** BUS 251E

**Teacher responsible:** Prof. Eddy Vandijck

**Course description:**

This course covers topics in business data processing including data structures used in business applications, file organisation, sequential and random file access as well as an introduction to database concepts and data normalisation. In addition, the course examines some simple DBMS packages, methods of information systems analysis and design for organisations with data processing resources (concepts of Unified Modeling Language), system feasibility, information requirement analysis, organisational policy and procedures, database use including data dictionaries, software design and implementation management, project control and systems-level testing and installation.

**Course objectives:**

The objective of the course is to give an overview an overview of the most important topics in information systems. Practical experience with spreadsheets and databases will be obtained.

**Grade weighting scheme:**

Mid-term examination	30 %
Assignments	20 %
class participation	10 %
Final examination	40 %

**Used course material (handbooks, readers, readings, newspapers, magazines) and references:**

Textbook: Introduction  
to Information systems  
James A. O'Brien edition 12e

Course notes on Pointcarre