

## Vesalius College

### Course description

**Course title:** Operations Management

**Course code:** BUS 361E

**Teacher responsible:** Macharis, Cathy

**Course description:**

These series of lectures and exercises will deal with operations and logistics management and the decision support systems that can be used in this area.

**Course objectives:**

Operations management is the business function responsible for planning, coordinating, and controlling the resources needed to produce a company's products and services. The logistics function has to provide the different resources at the right time on the right place. The overall aim is to advocate principles and to recommend tools for investigating managerial decision problems via so-called prescriptive models with the ultimate goal of providing decision-makers with means for finding good solutions to realistic decision problems. The role of operations and logistics in an organization is described, along with operations decisions that are made. The differences between manufacturing and services are described. The history and current trends of operations management are discussed. The interaction between operations and other business functions are described. We will see the different types of decisions to be taken ranging from strategic decisions (such as deciding on an operations strategy and deciding which where to locate a facility) to more tactical and even operational decisions (such as inventory issues and scheduling issues).

**Grade weighting scheme:**

Mid Term Exam (closed book, with formula sheet): 25%

Final Exam(closed book, with formula sheet): 40%

50% Theory:

- 25% multiple choice
- 25% open questions

50% Exercises

Assignments: 30%

Class participation, attendance: 5%

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

**Study material**

Reid, Dan R.; Sanders, Nada R., 2004, *Operations Management*-2nd edition, John Wiley and Sons, New York. ISBN : 0-471-65545-7

**Complementary study material**

Slides

Own notes