

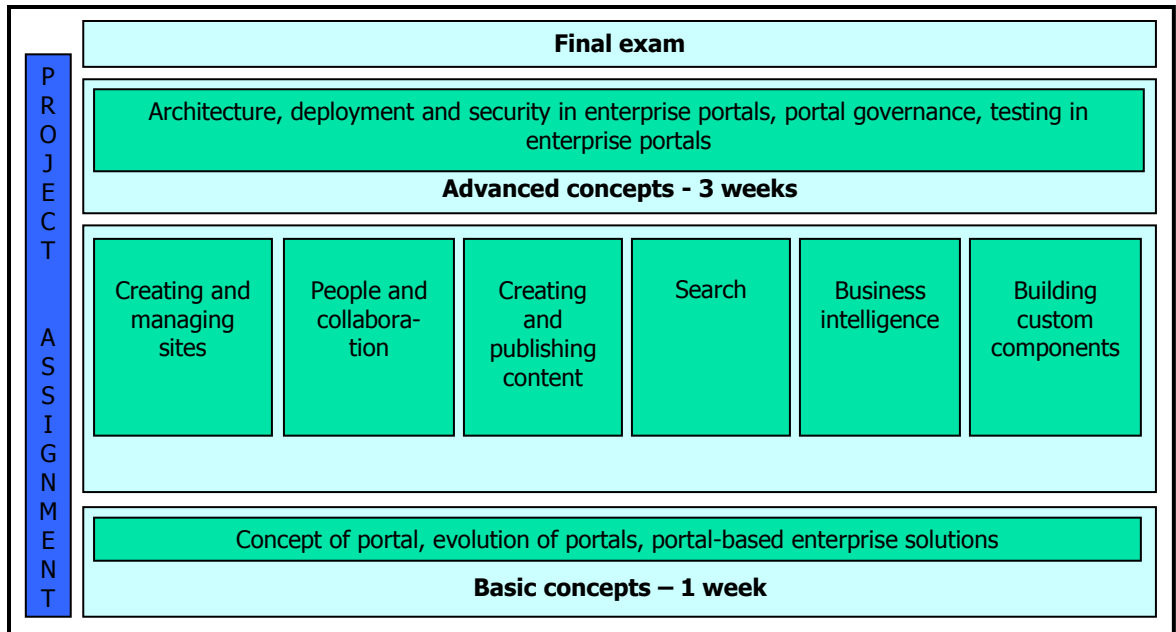
## Overview of Enterprise Web Solutions

### 1. Synopsis

Web-based solutions are becoming the de-facto standard for Enterprise Information Systems. Enterprise Web Solutions combine basic web technologies, Enterprise Integration Technologies, and Web Portal Technologies. This course is designed to provide a solid understanding of Web Portals architecture, the related application software, and how a Web Portal is used in the context of a Web-based enterprise solution. This course enables the students to apply concepts and skills which they have previously acquired in year 1 and year 2 IS technology courses in the context of a larger scale enterprise-wide business solution.

In this course, we focus on the design and implementation of an enterprise portal as a way to understand a complete end-to-end Enterprise solution. The portal provides a supporting framework for the integration of applications together with capabilities for enterprise-wide collaboration, content management, and workflow management. Through labs, assignments and a project, the course gives the students a series of “guided learning opportunities” to gain hands-on experience with developing content-rich Web solutions. The course also introduces the students to a systematic approach for creating a business solution through the assembly and configuration of building blocks, rather than by developing software from scratch.

The course proceeds along six main thrusts: *creating and managing sites, collaboration and people, creating and publishing content, enterprise search, business intelligence and custom components in portals.*



## 2. Prerequisites

Students are required to take (or be exempted from taking) the IS Software Foundations (IS 200), Object Oriented Application Development (IS201), and Data Management (IS202), Software Engineering (IS203), and Enterprise Integration (IS301) courses to ensure that they have a foundation in Java programming, OO analysis and design, and database design.

This course is designed to be part of the year 3 curriculum, together with Architectural Analysis. There is no requirement in terms of precedence between the two courses.

## 3. Objectives

Upon successful completion of this course, a student will be able to:

- Demonstrate the ability to design, build, and deploy a large scale multi-tiered portal-based Web solution in the context of a business environment.
- Use Portals to implement workflow management across business processes
- Construct an end-to-end portal-based Web Solution by assembling, configuring and integrating existing building blocks, and complementing them with custom built components.
- Evaluate the important considerations when deploying portal-based multi-tier Web solutions.
- Use Microsoft ASP.NET and Microsoft SharePoint to create enterprise Web solutions.

[Click here for detailed version](#)