

Project Handbook Study Guide

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Project “Developing A Wiki Site About Web Science”

I. Introduction

In this course students will learn about the *shared* character of the Web — people share responsibility for providing information on the Web — think about Wikipedia, social networks, blogs, etc.

The course is given in parallel with “Hypermedia and the Web” course (2ID65) that teaches about the concepts of hypermedia.

Students will be able to apply knowledge gained within both courses for creating community supported Web sites themselves. In particular, students will learn how to create *wiki sites* (not a wiki system). This will involve learning how to structure information so that it results in a usable Web site and how to use existing wiki software for creating wiki sites. Students will work on creating shared Web content in groups. This will help them to learn how to work efficiently as a team. A wiki site that is going to be developed within this course is targeted at TU/e students or prospective students and will teach about *Web Science*.

II. Motivation

Why choosing Web Science as the wiki content?

Web Science is a new interdisciplinary field that studies the nature of the Web. At the moment TU/e is the only university in the world that offers Web Science as a Bachelor program. The track has been introduced since fall 2011. You are the first TU/e generation studying the field of Web Science and we are very glad that you have chosen for this track!

There exist universities that offer Web Science as a course, or Minor or Master program. One of the TU/e ideas for the future is to offer a Master Program on Web Science as well.

We chose Web Science as the content of the project because TU/e would like to know how the students consider they should study the field of the Web Science themselves.

Application of the project outcomes

Best projects will be shown to the next year students and may be taken into consideration for the re-design of the current TU/e curriculum on Web Science.

The wiki sites developed within this course can be used in the follow up course on Adaptive Systems to make them personalized.

III. Learning outcomes

There are two learning outcomes for this course:

1. *To design the structure of the wiki site about Web Science.*
2. *To implement the wiki site using wiki software.*

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IV. Project description

Groups of 5-7 students will have to create a wiki site for own education about Web Science using wiki software. The project consists of two phases, corresponding to the two learning outcomes.

Phase 1 => LO 1 => To design the structure of the wiki site about Web Science

In Phase 1, students have to design the structure of the wiki site about Web Science. Wiki should describe the curriculum on Web Science. The target group of the wiki site are TU/e students or prospective students.

In order to perform this task, students should study what the field of Web Science is about, check our current curriculum, compare what is not part of TU/e curriculum but is part of **Web Science Trust** (<http://webscience.org/home.html>). Students should investigate — what is covered in 3 years program, what can be covered in Master program?

Thus as the first step students should prepare the content for their wiki site. Next, they should structure gathered information so that it results in a usable Web site about Web Science field. This involves grouping and splitting information to end up with reasonably sized and meaningful units of information.

The result of this first phase of the project is the design document showing the overall structure of the wiki site.

Phase 2 => LO 2 => To implement the wiki site using wiki software

The result of the second phase of the project is the actual implementation of the wiki site.

In order to perform this task first of all students have to learn how to use the tools for creating wiki. The one we are going to use in this course is **Media Wiki** (<http://www.mediawiki.org>).

Each group is provided with Media Wiki installation on <http://wwwis.win.tue.nl> : <http://wwwis.win.tue.nl/2IO22/mediawiki#/> where # indicates the number of the group for which this software was installed e.g.

<http://wwwis.win.tue.nl/2IO22/mediawiki1/>, <http://wwwis.win.tue.nl/2IO22/mediawiki2/>, etc.

Each group has to set up their wiki first by following instructions at http://www.mediawiki.org/wiki/Manual:Config_script.

The content prepared in the first phase should be converted to pages written in wiki format (<http://www.mediawiki.org/wiki/Help:Formatting>) and uploaded to wiki server.

While designing the content of the wiki students should consider how to help users navigate through the wiki site, how to guide the users of the wiki.

V. Expected results and deliverables

Expected results and deliverables of the project (per group) include:

- Design document describing the structure of the wiki site. The contents of the design document should include:
 1. Project objective,

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2. Web Science field overview (mention all sources of information being used),
 3. Structure of the wiki site on Web Science (a.k.a. proposed curriculum).
- Implementation of the wiki site — a wiki site about Web Science.
 - Final report and presentation. The contents of the final report should include:
 1. Project objective,
 2. Web Science field overview (mention all sources of information being used),
 3. Structure of the wiki site on Web Science (a.k.a. proposed curriculum),
 4. Implementation of the wiki site on Web Science using Media Wiki,
 5. Conclusions.

VI. The assessment method

The assessment of how well the students can work in a team will be performed during “Teamwork” trainings by the trainers.

Assessment of the learning outcomes (will be done by both tutors) refers to the assessment of the project. Table 1 describes how the project is going to be assessed.

Learning Outcomes	Product (deliverables) – Processes	Assessment method		Assessor(s)	Percentage of the final grade
		Group	Individual		
1. To design the structure of the wiki site about Web Science	a. Design document b. Oral presentation	Assignment+Oral	Peer assessment+ Interviews	Tutor 1+2	20%
2. To implement the wiki site using wiki software	a. Wiki site implementation b. Final report c. Oral presentation	Assignment+Oral	Peer assessment+ Interviews	Tutor 1+2	80%

Table 1. Project Assessment.

The design document plus oral presentation of the wiki structure count for 20% of the final grade. The prototype produced, final report and oral presentation count for 80% of the grade.

We perform two types of assessment – group and individual. Learning outcomes grades given per group can be adjusted for each individual student based on peer assessment and interviews with the students during team meetings.

VII. Criteria

The assignment for each group is the same. Each group can come up with a different structure and as a result different implementation of a wiki site about Web Science. The criteria for assessing two phases of the project are as follows:

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1. *Designing the structure of the wiki site about Web Science*
 - a. How well the students studied the topic to create a wiki site,
 - b. References being used - whether students do correct citation,
 - c. Structure of the wiki site.
2. *Implementation of the wiki site using wiki software*
 - a. Following good principles of hypermedia (basic aspects of hypermedia):
 - long versus short pages,
 - judge content and navigation,
 - page sizes and structure.

VIII. The supervision and the supervisors

The supervisors for this course are:

Natalia Stash (responsible lecturer, n.v.stash@tue.nl) and Paul De Bra (debra@win.tue.nl).

The task of the tutors is to supervise how the project is progressing and to perform the project assessment.

IX. Planning and organization

All information about the course can be found at the course page <http://wwwis.win.tue.nl/2IO22>.

First of all, students participating in the course have to register on Sakai site <http://sakai.win.tue.nl>. Depending on the number of participants the tutors will form groups of 5-7 students to work on the project. Via Sakai students will be able to have access to all study material used in this course. All submissions, e.g. project reports, questionnaires have to be done via Sakai as well.

The project planning is shown on a timeline in Figure 1.

Various deadlines for reports, questionnaire submissions are shown in **red**.

Tutors meet with the students 2 hours a week to discuss the project progress.

The days when the tutors are present are indicated in **green** (not all days are indicated at the moment).

Important! All group members have to be present during these meetings with the tutors!

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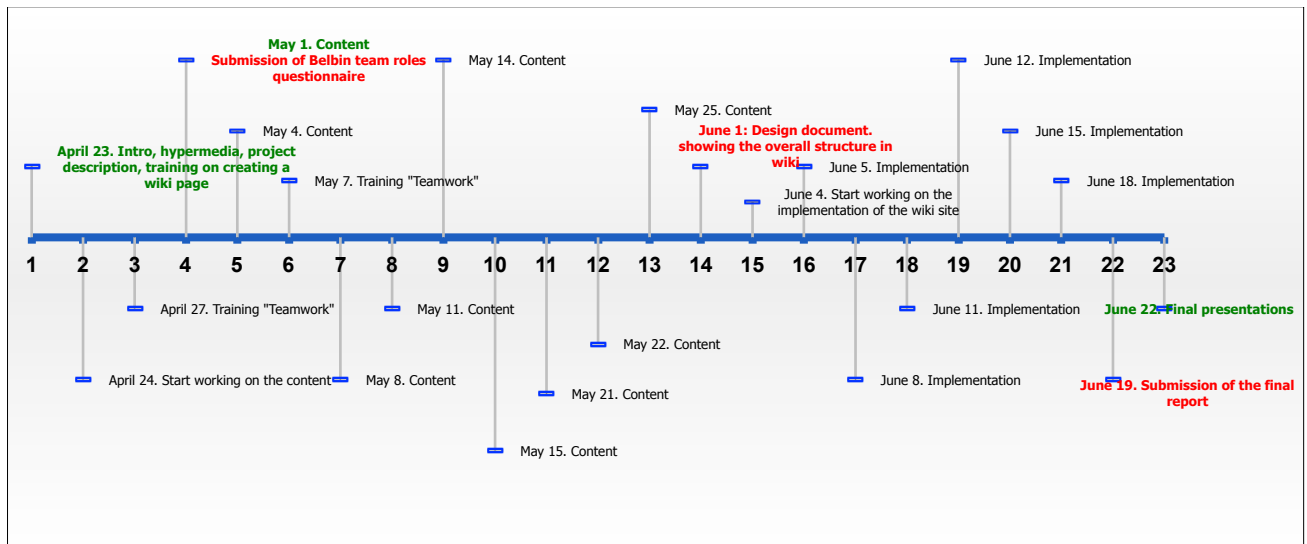


Figure 1. Course timeline.

23 slots, 4 hours each, are reserved for the course starting from April 23 until June 22.

The course starts on April 23 with an introductory lecture, explaining the concepts of hypermedia, providing project description, giving a training on creating a wiki page. After that the students can start working on creating the content.

In the beginning of the course there are 2 trainings “Teamwork” (April 27 and May 7).

The documents for the trainings can be found on Sakai in *Resources/Training “Teamwork”* folder.

For the first training, print out, read and bring the following documents:

- Hand-out meeting skills,
- SMART plan,
- Hand-out project planning.

During this first training you will get homework. It includes filling in:

- Belbin team roles questionnaire (this one should be submitted via Sakai one week before the second training),
- Groepsevaluatieformulier (this one should be filled in and brought to the second training).

For the second training you should print out, read and bring the following documents:

- Johari window and rules feedback,
- Belbin roles quick view.

On June 1 the design document showing the overall structure in wiki should be submitted via Sakai.

Next, the students have to start working on implementation of the wiki site.

On June 19 the final reports have to be submitted via Sakai.

On June 22 we will have the final projects presentations.