

# WEBS6203

## Interdisciplinary Thinking

### W7 focus on hand-ins

Su White

<http://www.edshare.soton.ac.uk/13581/>

## Weekly focus

- |    |  |
|----|--|
| 1  | Introductions and scoping  |
| 2  | Clarification and beginnings                                     |
| 3  | Process lecture: specifications and structures                   |
| 4  | Independent study: Blogging and surgeries                        |
| 5  | Independent study: Blogging and surgeries                        |
| 6  | Independent study: Blogging and surgeries                        |
| 7  | Focus on hand ins: Revisit specification for posters and reports |
| 8  | Poster surgery   |
| 9  | Poster pitches and poster hand in                                |
| 10 | Independent study: Peer review and revisions                     |
| 11 | Q&A  |

## Vacation 1-3

- |    |                                     |
|----|-------------------------------------|
| 12 | Last minute surgery, report hand in |
|----|-------------------------------------|

**Exam period**

# How you will demonstrate your learning

## Poster

- Communicate key points in visually compelling manner

## Report

- Provide a structured overview of your chosen areas

reading

thinking

blogging

discussing

reviewing

reflecting

revising

# Hand in details via module page

The screenshot shows the University of Southampton website for the WEBS6203 module. The page title is "WEBS6203: Interdisciplinary Thinking (2014-2015)". It lists the module leader as Dr. Su White and the lecturer as Prof. Seth Bullock. The page includes sections for "What you will do", "Work Plan", and "Assessment".

Overlaid on the screenshot is a white card with the following text:

**Assignments**  
Fri 28 Nov, 23:59 **Poster : Handin**  
Fri 9 Jan, 23:59, 2015 **Report : Handin**

The screenshot also shows a search bar at the top right and a navigation menu at the top. The main content area includes a link to the module page and a list of activities for the week.

# Resources via the module page

UNIVERSITY OF Southampton  
School of Electronics and Computer Science

WEBS6203: Interdisciplinary Thinking (2014-2015) > Resources

Overview Resources Student Wiki Syllabus Send Message Students Help You are a leader on this module.

Online Notes

Search notes and wiki:

- Notes Directory
  - WEBS6203\_plan\_number.pdf - 64Kb
  - WEBS6203\_plan\_numbers.oitl.pdf - 45Kb
- Notes Wiki

Core textbooks

Resource type: Core textbook

Rapko A. F. (2008) Interdisciplinary Research: Process and Theory. Sage Publications

Items from EdShare

- WEBS6203 Lecture Slides - Schedule and Posters Notes**  
WEBS6203 Lecture Slides - Schedule and Posters Notes  
Prof Seth Bullock
- Report**  
Report Assignment  
Dr Susan White
- Poster**  
Poster Assignment  
Dr Susan White
- Example reports and posters**  
example reports and poster. NB. You are advised do not use IEEE or ACM formatting in your reports. Specifications have changed over time :-)  
Dr Susan White
- Slides and notes processes**  
Slides which explain/elaborate the process and point to the various resources on which you might draw  
Dr Susan White
- Thinking about disciplines**  
Some documents which may help you identify key disciplines on which to use to frame your understanding of inter-disciplinarity  
Dr Susan White
- Assignment Instructions**  
Draft of assignment specification - to be moderated; also includes marking and feedback forms  
Dr Susan White
- Work plan**  
Outline of work plan  
Dr Susan White

**Report**  
Report Assignment

PDF Dr Susan White

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**Poster**  
Poster Assignment

PDF Dr Susan White

Example reports and posters

# WEBS6203 Assignment Instructions

## Poster

Module:	Interdisciplinary Thinking		Lecturer:	saw/sgb	
Assignment:	Poster		Weighting:	10%	
Deadline poster:	28/11/2014	Feedback:	12/12/2015	Effort:	10 hours

In the course of the module you are asked to research an interdisciplinary questions in web science from the perspective of two individual disciplines and prepare a poster and a report based on your investigations.

Specifically you are asked to

- Identify a question in Web Science which can be analysed a number of disciplinary perspectives, selecting two disciplinary perspectives which you consider would generate new insights.
- Explain the broad approach of your chosen disciplines and then identify key concepts and research approaches that are particularly applicable to the Web Science question which you are addressing
- Compare and contrast the disciplinary approaches and research traditions and explain how a synthesis of research approaches would enable the identification of new knowledge and insights.

The poster assignment is the first of these two inter-related activities.

This assessment is summative in nature, distilling the understanding that you have been developing and reflecting on through your blog posts over the course of the module. Your poster will present in a succinct and visually compelling manner an overview of your activities, reflections and conclusions to date.

Posters are a key tool in the researchers repertoire of communicating new knowledge, understandings and discoveries. They are often used to communicate work in progress.

Like the report, the poster will demonstrate how well you have achieved the learning objectives of the module (reproduced below).

In summary, your work should describe the models, methodologies and approaches of two disciplines, as they are applicable to the topic relevant to a question or issue in Web Science that you have previously identified.

Good posters will not only draw from your chosen disciplines, but they will also try to synthesise and articulate, a joined-up, inter-disciplinary perspective on the topic.

## Submission

The poster can be created using any appropriate software (such as Microsoft PowerPoint)

The poster presentation should be submitted in PDF format, suitable for displaying at A1 size.

Please submit your poster using the ECS electronic hand-in system <http://handin.ecs.soton.ac.uk/>

Submit before midnight on the due date.

## Relevant Learning Outcomes

1. Identify questions in Web Science which can be analysed a number of disciplinary perspectives
2. Select, summarise, and survey a body of disciplinary knowledge
3. Analyse and explain the differences in disciplinary approaches to modelling, understanding and researching the world
4. Analyse the comparative strengths of a variety of methodologies and techniques to Web Science topics
5. Synthesise a position on Web Science issues, drawn from a broad evidence base
6. Communicate effectively information at the forefront of your discipline in a variety of ways

## Marking Scheme

Criterion	Description	Outcomes	Total
Presentation	Effective presentation, readable, uses visuals, free of errors	6	5%
Content	Summarises and highlights relevant points with argumentation which relates to the chosen topic	1,2,3,4,5	5%

Late submissions will be penalised at 5% per working day. No work can be accepted after feedback has been given. Please note the University regulations regarding academic integrity.

## Detailed Marking Criteria

The Poster accounts for 10% of the total final mark.

Within that marking the relative weight given to different aspects of the report is as follows:

### Presentation: (5%)

Functional: Clear title, author details and relevant references or links

Visual: Appropriate choice of palates, diagrams and figures; balanced layout

Textual: readable, not crowded, consistent styling

### Content (5%)

Clear account of the chosen topic and the rationale for analysing it from the two chosen perspectives

A clear description of the models, methodologies and approaches of the two chosen disciplines, and an analysis of how this is of value.

Appropriate and clear use of figures, tables and diagrams in relation to the presented argument

## Notes:

Examples drawn from anonymised versions of previous reports are provided to demonstrate different, yet valid interpretations of the task.

Example posters all have comparative strengths and weaknesses, they are offered as a means help you think critically about what would make an effective poster.

The contributions to the blog posts are not marked or evaluated but are included as a developmental activity which will support you in articulating your arguments and determining ways in which you can most effectively address your chosen topic and the contributory disciplines/fields of study.

The poster presentation activity is designed to provide you with informal feedback before you hand in your poster.

## Working in groups and academic integrity

You are strongly encouraged to work with your fellow students informally during the planning, research and proof reading stages of preparing this coursework.

As with all university work, it is important to understand that the coursework, which you hand in, must be your own work

Please ensure that you are aware of the University's regulations regarding academic integrity. All assignments are routinely examined for plagiarism to detect any overlap with the work of others.

## Associated tasks and deadlines

You will need to print your poster for the poster pitch week and make a short presentation to the group

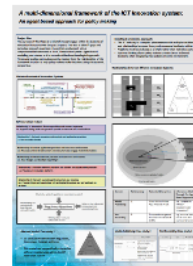
<http://www.edshare.soton.ac.uk/13566/>

# In class activity

- Preview the posters via the handout
- We will load up chosen examples of the posters in succession
- You will look at them and discuss them (in pairs)

## Web Science Posters

Below is a showcase of posters made by Web Science students at the CDT, click the thumbnails for a pdf of the poster.



A multi dimensional framework of the ICT Innovation system by Chris Hughes



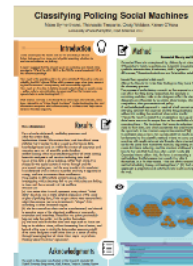
A Public Health Approach to Cybersecurity by Huw Fryer



Buying Medicine from the Web by Lisa Sugiura



Charitable use of social media by christopher phethean



Classifying Policing Social Machines by Maire Byrne Evans



Exploring the Use of the Web in Global Justice Networks by Phil Waddell

# Activity

## Poster examples from Web Science

UNIVERSITY OF Southampton

### Web Science Centre for Doctoral Training

Web Science Posters

Below is a showcase of posters made by Web Science students at the CDT, click the thumbnails for a pdf of the poster.

Home  
About Us  
Web Science Institute  
Events  
Study Web Science  
Student Research  
People and Partners  
Virtual Open Day  
Library Resources  
The Web Science Blog  
Global Collaboration  
Apply Now »

Search

**A multi dimensional framework of the ICT Innovation system** by Chris Hughes

**A Public Health Approach to Cybersecurity** by Huw Fryer

**Buying Medicine from the Web** by Lisa Sugiura

**Classifying Pubmed Social Networks**

**Searching for an idea that is a good 'Twitter' idea**

**If the size of this poster represented all requests of a party on Facebook the top social network then this might be a good illustration of it**

**Scholarships Available at the Web Science CDT**

**MSc Courses in Web Science**

**Tweets**

**Salar Golestanian** @Salaro 2h  
SalarO "Web Science & Technology" is out! paper.lu/Salaro/1345293 Stories via

**Booklet of Web Science Posters**

Internet Link **View**

**Booklet of Web Science Posters**

**WebScienceExample**

2 files in this resource

Using the specification plus the example posters from the web  
<http://www.edshare.soton.ac.uk/13359/>



# Activities

## Review the requirements

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Individually or in pairs

- Read through the final version of the assessment criteria for the poster
  - Do you understand what you have to do?
  - Do you understand what you have to hand in?

## Thinking about posters

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Individually or in pairs

- Choose one of the posters to review
- Using the mark criteria decide:
  - What are the strengths?
  - What are the weaknesses?
  - What would you change to get more marks?

# Opportunities to improve

From now on

- Informally asking fellow students to feedback

During W9

- During the poster pitch and poster presentation session

# Report

- You may find the poster creation process helps you clarify your ideas
- The peer review and surgery sessions are designed to build in time for reflection

Like all assessments check with the assessment criteria to make sure

1) you are clear with what is expected of you

and

2) how you will be marked

## WEBS6203 Assignment Instructions

Module:	<i>Independent Disciplinary Review</i>				<i>saw/sgb</i>
Assignment:	<i>Report</i>			Weighting:	<i>90%</i>
Deadline report:	<i>09/01/2015</i>	Feedback:	<i>02/02/2015</i>	Effort:	<i>90 hours</i>

In the course of the module you are asked to research an interdisciplinary questions in web science from the perspective of two individual disciplines and prepare a poster and a report based on your investigations.

Specifically you are asked to

- Identify a question in Web Science which can be analysed a number of disciplinary perspectives, selecting two disciplinary perspectives which you consider would generate new insights.
- Explain the broad approach of your chosen disciplines and then identify key concepts and research approaches that are particularly applicable to the Web Science question which you are addressing
- Compare and contrast the disciplinary approaches and research traditions and explain how a synthesis of research approaches would enable the identification of new knowledge and insights.

This assessment is summative in nature, distilling the understanding that you have been developing and reflecting on through your blog posts over the course of the module. Your report will demonstrate that you have achieved the learning objectives for this module (reproduced below). In summary, your report should describe the models, methodologies and approaches of two disciplines as they are applicable to the topic relevant to Web that you have previously identified. Good reports will not only draw from your chosen disciplines, but they will also try to synthesise and articulate, a joined-up, inter-disciplinary perspective on the topic. You are asked to include an appendix of your peer review and reflection.

### Submission

The report can be created using any appropriate software (such as Microsoft Word) but must be submitted in PDF format. Any appropriate report template is acceptable, but it must include a table of contents, appropriate section headings and be fully referenced. It should be up to 2,500 words in length, not including the reference list and table of contents.

The report should be submitted in PDF format, suitable for printing at A4 size.

Please submit your report using the ECS electronic hand-in system <http://handin.ecs.soton.ac.uk/>

Submit before midnight on the due date.

### Relevant Learning Outcomes

- Identify questions in Web Science which can be analysed a number of disciplinary perspectives
- Select, summarise, and survey a body of disciplinary knowledge
- Analyse and explain the differences in disciplinary approaches to modelling, understanding and researching the world
- Analyse the comparative strengths of a variety of methodologies and techniques to Web Science topics
- Synthesise a position on Web Science issues, drawn from a broad evidence base
- Communicate effectively information at the forefront of your discipline in a variety of ways

### Marking Scheme

Criterion	Description	Outcomes	Total
Introduction	A clear account of the chosen topic and the rationale for analysing it from the two chosen perspectives	1,3,6	10
Body: structure and detail	Follows report structure, error free professional document	2,3,4,5,6	10
Body: analysis	A clear description of the models, methodologies and approaches of the two chosen disciplines, and an analysis of how this is of value	2,3,4,5,6	25
Body: scholarly argument	The structure of the argument is clear and supported in a scholarly manner that is supported by appropriate levels of referencing for the specified task	2,3,4,5,6	25
Argumentation, discussion and conclusions	The line of argument is clear throughout, balanced and is coherently drawn together in the closing sections of the report	2,3,4,5,6	20

*Late submissions will be penalised at 5% per working day. No work can be accepted after feedback has been given. Please note the University regulations regarding academic integrity.*

### Detailed Marking Criteria

The report accounts for 90% of the total final mark.

Within that marking the relative weight given to different aspects of the report is as follows:

#### Introduction: (10)

Clear account of the chosen topic and the rationale for analysing it from the two chosen perspectives

#### Body: (60 total allocated as below)

- A report template is used which clearly structures the content, all necessary parts of the report are present. The text is error free and consistently formatted. A professional looking document (5).
- A clear description of the models, methodologies and approaches of the two chosen disciplines, and an analysis of how this is of value (25)
- The argument is presented clearly in the body of the text in a scholarly manner that is supported by appropriate levels of referencing for the specified task in Harvard specification format. Appropriate and relevant use of figures and diagrams is incorporated into the argument. All figures and diagrams are labelled clearly (25)

#### Argumentation, Discussion and Conclusions: (20)

- The argument is presented clearly throughout; the discussion, conclusions and future work is drawn together logically and evidently synthesised. (10)
- The contribution of each chosen discipline is equally evaluated, providing the reader with a clear and persuasive conclusion. (10)

### Notes

#### Examples

Examples drawn from anonymised versions of previous reports are provided to demonstrate different, yet valid interpretations of the task.


#### Blogs

The contributions to the blog posts are not marked or evaluated but are included as a developmental activity which will support you in articulating your arguments and determining ways in which you can most effectively address your chosen topic and the contributory disciplines/fields of study.

#### Style, citation and referencing

Although some of the example reports you are shown may use ACM or IEEE numeric citation and referencing format, for this report we ask you to use Harvard style referencing.

You are expected to cite and reference appropriate publications that provide evidence for your arguments. You may find that a format which uses names and dates helps you organise your arguments and are informative for the reader. The wording of your report is expected to be your own, and for this task you are likely to need to paraphrase information for the reader as well as including direct quotes. Always acknowledge your sources through citations.



You may find that you can augment your argument with the use of figures or diagrams. All figures and tables must be labelled, and if your work includes images which you did not create yourself, you are expected to indicate their source.

### **Working in groups and academic integrity**

You are strongly encouraged to work with your fellow students informally during the research and proof reading stages of preparing this coursework. This may mean that you incorporate others' feedback into your final arguments. Furthermore, we have scheduled a recommended deadline for peer review and ask you to submit evidence of the review you conducted and a brief summary of your response to the review you received and your reflections on the process.

As with all university work, it is important to understand that the coursework which you hand in must be written in your own words, excepting cited quotations.

Please ensure that you are aware of the University's regulations regarding academic integrity. All assignments are routinely examined using plagiarism detection software which will detect any overlap with the work of other students as well as any text which has been cut and pasted from information already published on the Internet.

### **Associated tasks and deadlines**

You are asked to take part in a peer review process before the Christmas vacation. You will be asked to complete a reflection on this process and add this as an appendix to the main report, thereby providing evidence of the process at the same time as the report handin. There are no marks specifically allocated for the reflection and peer review, they are designed to help you produce a higher quality standard of work. It provides you with an opportunity to document the value of input from fellow students and to help you formalise your understanding of the value of this process.

