

# WEBS6203

# Interdisciplinary Thinking

# W3 Processes

Su White

<http://www.edshare.soton.ac.uk/13441/>

These slides cover activities throughout the first week's three meetings

## 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

# Use ECS notes as your reference point

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**Southampton**  
School of Electronics  
and Computer Science


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## WEBS6203: Interdisciplinary Thinking (2014-2015)

[Overview](#) [Resources](#) [Syllabus](#) [Send Message](#) [Students](#) [Help](#) You are a leader on this module.

 **Dr Su White**  
Module Leader

 **Dr Mark J Weal**  
Moderator

Southampton campuses, Semester 1.

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**What you will do**

Develop your understanding of interdisciplinary by addressing a research question from two disciplinary perspectives.

Synthesise your understandings of the two topics, explaining the way in which this could be investigated as a piece of Web Science.

- You will produce a report presenting your research, arguments and conclusions
- You will produce a poster which presents an overview of your work in a compelling and visually appealing manner

This is an individual research activity however you are encouraged to work collaboratively with your peers

- discussing work in progress
- presenting emerging ideas and understandings via a module blog
- conducting a peer review prior to the final deadline
- presenting a summary of your peer review observations to the group

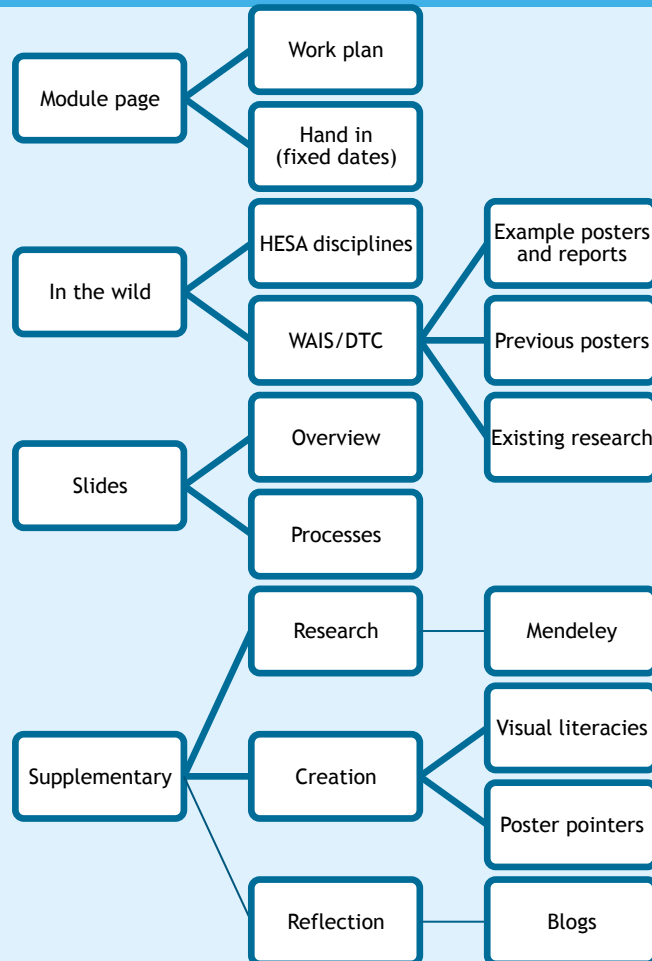
You are encouraged to create living curations of your work using tools such as Mendeley, Pinterest, or ScoopIt

[Create/View Assignments](#) (staff only)

No messages yet.

URI: <http://id.ecs.soton.ac.uk/module/WEBS6203/2014-2015> | [Open Linked Data for this Module](#)

# Support materials



**WEBS6203: Interdisciplinary Thinking (2014-2015)**

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

**Online Notes**

Search notes and wiki:  Search

- Notes Directory
  - WEBS6203 plan numbers.pdf - 45Kb
- Notes Wiki

**Core textbooks**

Resource type: Core textbook

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

**Items from EdShare**

**Thinking about disciplines**  
Some documents which may help you identify key disciplines on which to use to frame your understanding of inter-disciplinary

Dr Susan White

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**Assignment Instructions**  
Draft of assignment specification - to be moderated.

Dr Susan White

**Work Plan**  
Outline of work plan

Dr Susan White

**Mendeley: background information**  
Video of talk about the startup process from 2010

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**Poster examples from Web Science**  
These posters illustrate a range of activities and research topics

Dr Susan White

**Introductory lecture and activities (MSc)**  
Use across a series of lectures to introduce the module, focus on the topic of interdisciplinarity and get to know the group. Includes link to mendeley group

Dr Susan White

**Resources for preparing a poster**

Dr Susan White

**Suggested readings for visual literacy**

Dr Susan White

And 4 more...

<https://secure.ecs.soton.ac.uk/module/1415/WEBS6203/33406/main>

# Resources via the module page

- Walk through

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# Blog contributions

- You will receive an invitation to the blog
- Make a simple contribution
- Your Name
- A photo - please 😊
- Some reflection
- Suggested format for your reflections
- What?
  - Reporting on a thought, event, stage of understanding
- So What?
  - What are the implications?
- Now What...
  - How are you going to progress things?

# reminders

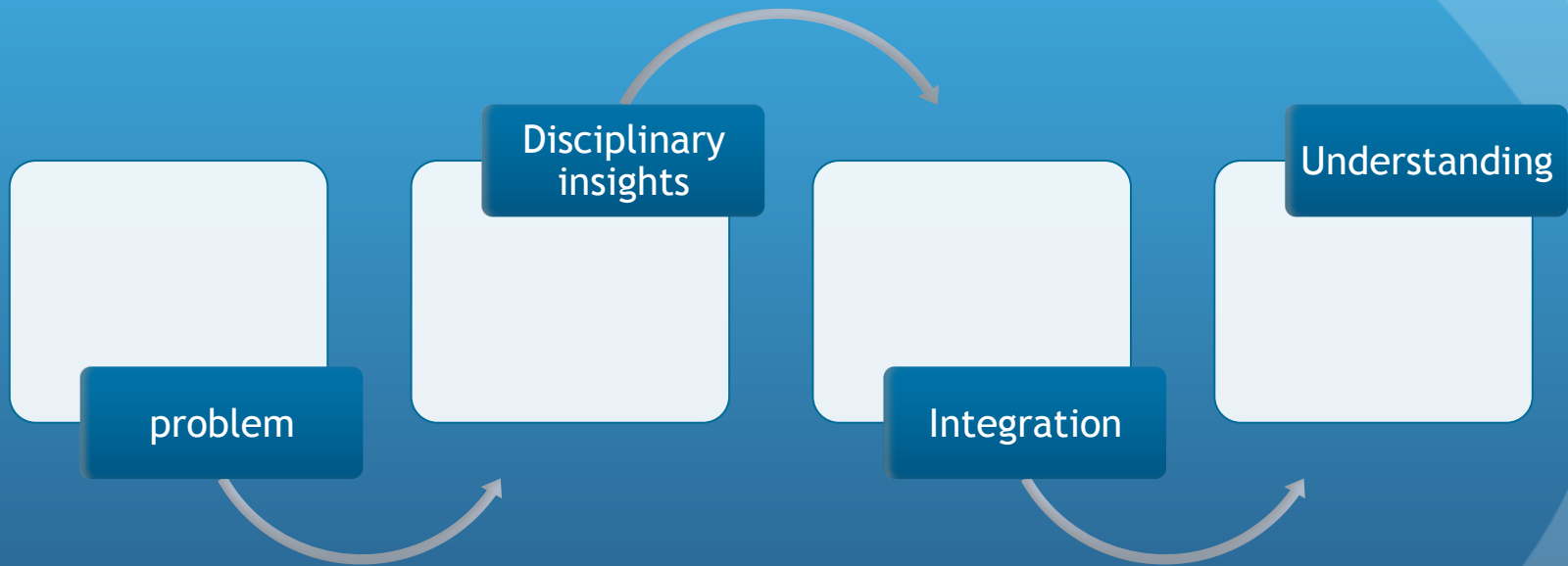
Overview of the process



# What we expect you to do

- **1. DEFINE** problems, issues, topics or questions that warrant interdisciplinary examination
- **2. PRESENT** a clear rationale for taking interdisciplinary approach including the advantages to be gained
- **3. IDENTIFY** relevant disciplines
- **4. CONDUCT** a literature review (what is known on the topic from each of the disciplines)
- **5. DEVELOP** a command of each relevant discipline set out the analytical structure central to each discipline, identify key underlying assumptions, and methods of evaluation.
- **6. STUDY** the problem and generate insights including predictions from each of the relevant disciplines - in isolation!!
- **7. IDENTIFY** conflicts between and/or areas of complementary between the insights offered from each discipline
- **8. CREATE** common ground by developing a cohesive framework of analysis that incorporates insights from the relevant disciplines in a systematic manner
- **9. COMBINE** disciplinary insights to construct new more integrated understanding of the problem

# The flow of activities





# Selecting your topic:

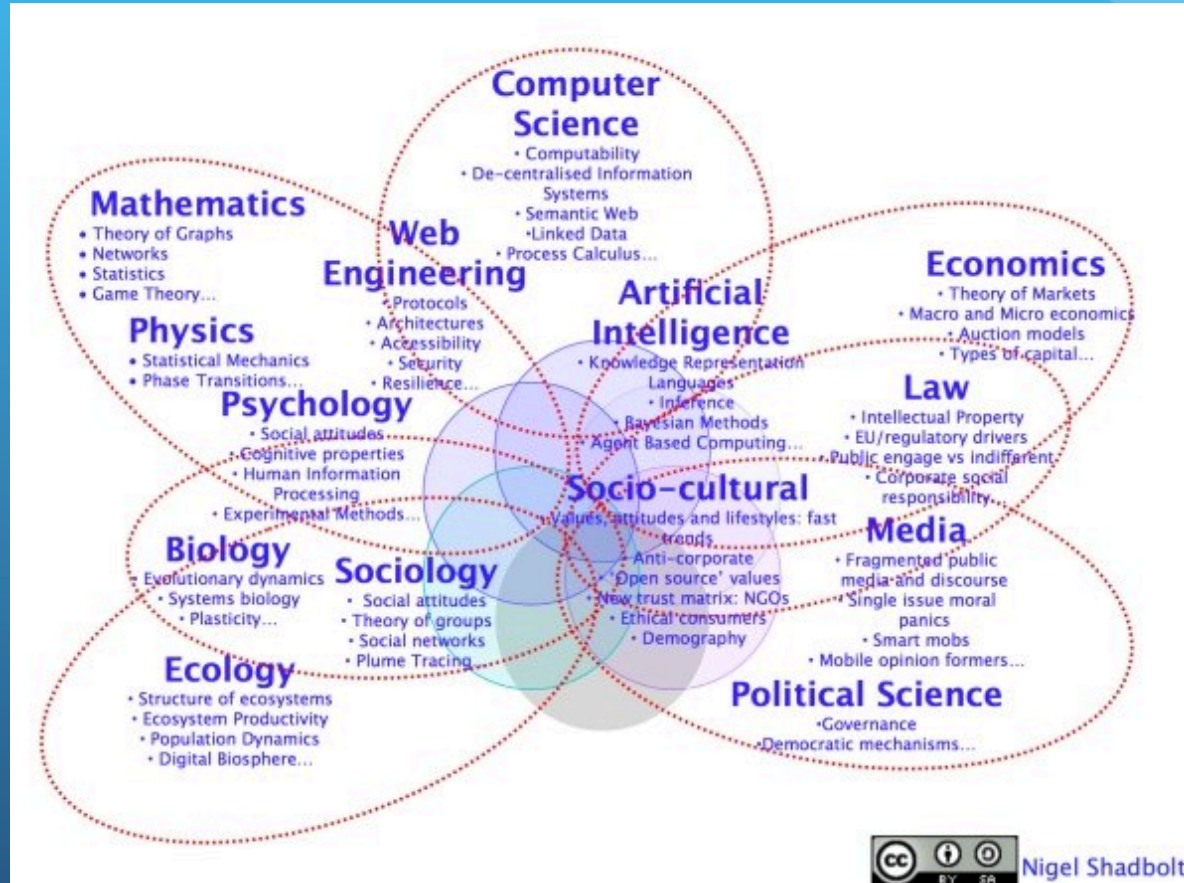
## What to do next

- Think about your target contributory topics
- Look into their foundational concepts
- Consult textbooks (university library)
- Look at programme specification (online, this university and others)
- Watch a few video lectures -e.g. YouTube, iTunesU
- Talk to your fellow students
- Reflect on your other lecture content
- Look at proceedings from previous web science conferences
- Establish some shared working methods

# Look at the posters & reports

- Individually or in groups
- Use this as a guideline

# An idea of web science you may have seen...



# Another...

