F21SM – Software Engineering Masterclass
Assessment Information

Students spend the semester developing teaching materials on a subject chosen with the agreement of their supervisor, then deliver this material to an audience of their peers.

Topics proposed are here:

> https://www.macs.hw.ac.uk/cs/project-system/index.php?group_id=semcu

Existing topics are just a guide: you can ask your supervisor to propose a topic to your specification, if you find a member of staff willing to supervise it. Either way, your supervisor will allocate you to a project on the system linked to above (possibly creating the project first).

Your materials must be your own. In particular:

- If you are working on a similar topic as another student, you must develop your materials independently.

- You can look to teaching materials for inspiration, but your final materials must be primarily your own. If you include other resources, you must appropriately reference them.

If in doubt, consult your supervisor.

Delivering the masterclass

Your teaching materials should cover around two hours of material. We suggest a one-hour lecture immediately followed by a one-hour practical session (lab, tutorial, or discussion), but the precise format is up to student to decide, guided by their supervisor - for instance, a two-hour lecture is acceptable if good reason is given (e.g. you are studying black holes and find the university-provided black hole too heavy to pick up).

The masterclasses should be held in weeks 9 and 10 of Semester 2. They will be marked by two academic members of staff - normally the supervisor plus one other. Masterclasses will be marked according to the marking sheet (see later in this document); so make sure you've taken a look at this document because your marker will be staring right at it when he or she determines your grade.

Arranging delivery of the masterclass

The logistics are your responsibility: to

- find a time in weeks 9 or 10 of Semester 2, to

- book rooms (see below) and set them up for the masterclass, and to

- advise the attendees (first and second reader, and other students) of times.

Make sure in advance that any necessary software is installed, that a computer is available in the lecture room, that your laptop can connect to the projector, etc.

Staff can book rooms here https://scientia-rb-hwu.azurewebsites.net/ but as a student you may not have full access to the MACS building Earl Mountbatten, in which case you need to make a request through

macs-roombookings@hw.ac.uk

and provide the following information:

What: When: Time: Duration: How may people: Contact details:

Students should attend the masterclasses (lecture + tutorial) of their peers where possible, and must attend at least three. If this proves impossible (good reason: they clash with other lectures; bad reason: can't be bothered), then you must get in touch with the course leader, in good time, to obtain dispensation.

The F21SM coordinator (me) need not attend your talk, and you don't need to e-mail me about it. Just coordinate your first and second reader, and the other students.

Analysis/reflection

After your lecture, you must produce a short report (1-3 pages) on your masterclass. This report is worth 20% of the mark. In it, you should:

1. Discuss how you felt the class went. What worked? What didn't work? Why?

2. In the light of your experience and feedback from your markers and peers, how might you improve your masterclass and materials?

Develop your ideas based on your experience delivering it, as well as feedback from markers and peers. Make sure to obtain this feedback (from markers and peers) before starting your reflection.

Marking and submission

Level	Masterclass materials and delivery	Report
MEng	80	20
Deadline	Weeks 9/10	Fri 22 March (end week 11)

You should upload your masterclass materials to Vision (not the project webpage) after your masterclass, and submit your analysis/reflection report the same way.

Workflow

1. Choose topic. You can make it up, or pick from existing offerings. Either way you need to
2. find a supervisor.
3. Research the topic.
4. Develop and plan your masterclass.
5. Find a time, book a room, make sure it's suitable, and advertise to first and second marker and peers.
6. Give masterclass / attend your peers' masterclass.
7. Upload your materials to Vision.
8. Gather peer feedback and marker feedback and reflect on it with a magic combination of humility, understanding, insight, and self-awareness.
9. Write up your reflection and
10. upload it to Vision.
11. Relax. Well done.

F21SM – Software Engineering Masterclass
Staff Marksheet for Masterclass

Student's Name	
Supervisor / Second Reader (please circle)	
Criteria	**Possible marks**	**Actual marks**
Perceived usefulness of the material to an academic	15	
Perceived usefulness of the material for training in a relevant setting (for example, in industry)	25	
Appropriateness of the delivery mechanism for the material	20	
Quality of materials	30	
Initiative, innovation, creativity and effort above and beyond that expected	10	
Additional comments (please include a comment on your impression on the student's delivery and the audience's reaction, as well as a justification for the marks given above)		
Total marks	**100**	

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Marking rubric for post-Masterclass Reflection

17-20	12-16	8-11	0-7
The student has shown strong/excellent awareness of what was successful in the masterclass and what could be improved, building this on feedback from markers and accurate perception of the reaction of participants. In addition, they have thoughtfully reflected on how they can use this feedback to improve their masterclass.	The student has shown a reasonable understanding of the successes/failures of the masterclass and has been aware of the response of the audience. In addition, they have shown reasonable reflection on how they can use this feedback to improve their masterclass.	The student has shown some understanding of the successes/failure of the masterclass and some reflection on how they can use this to improve their masterclass; however, one of both of these were fairly weak and not well thought-through.	The student has shown little evidence of understanding what worked and didn't work in the masterclass and has not accurately judged/considered the response of the audience. In addition, the student has shown little reflection on how they could improve their masterclass.

Note to markers: the audience at each masterclass will vary. All masterclass students are supposed to attend as many masterclasses as they can, and must attend at least three; however, they may not be able to attend all of them because of clashes with their other classes.

Giving masterclasses to very small audiences may be more difficult and it may be harder for such students to gauge reactions; this should be taken into account in the marking. Marks should be given to students who wrote a good report given the input they had to build on.

Peer Assessment Feedback Form

Student Trainer's Name:	
Peer (print name, sign and date) [*anonymous feedback is allowed*]	

Software Engineering Master Class F21SM2	
Questions	**Comments**
What did you like about the teaching material?	
What did you like about the trainer's approach?	
What have you learned?	
Is there any aspect that you would have liked to include in your own teaching?	
What could have been improved?	
General Comments	