



# The School of Mathematics, Statistics and Actuarial Sciences

## Faculty of Science and Health

### MSD Students

Postgraduate Research milestones are used to ensure students are making sufficient progress during their studies, and to provide a supportive framework to guide students through the various stages of their research. The Milestones should also help to keep students on track to submit within the appropriate period. PGR supervisors should talk through the relevant milestones during supervisory meetings and they should be referred to on a regular basis.

Supervisory Panels and Research Students' Progress Boards will use the milestones to reflect on the level of progress being made, ahead of making a recommendation. Whilst the milestones are specific for each department and type of course, it is recognised that every research journey is different, and that whilst the milestones provide an overarching framework of expectations, a degree of flexibility should be given, based on the trajectory and scope of research.

Students and supervisors are encouraged to supplement these milestones with individual research plans which take into account the specifics of an individual research project and the individual circumstances of the PGR student.

### Contents

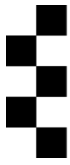
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**Year 1 (Full time), Year 1 and 2 (Part time)****Ahead of the first Supervisory Panel**

<b>Milestone</b>	<b>Requirement</b>	<b>Full Time term</b>	<b>Part Time term</b>
M1.1	<p>Clarify research topic and demonstrate an understanding of topic and relevance to wider research</p> <p>Research Project Proposal, including (dependent on subject area):</p> <ul style="list-style-type: none"> <li>▪ Write central research problem/questions to be answered.</li> <li>▪ Methodological considerations.</li> <li>▪ Feasibility Report – identifying sources, health and safety aspects access and ethical considerations</li> <li>▪ Create project plan, outlining objectives for each stage.</li> </ul>	1	2/3
M1.2	<p>Assess training needs and knowledge required to undertake research project and complete the thesis.</p> <ul style="list-style-type: none"> <li>▪ Training Needs Analysis to be completed.</li> </ul>	1	1

**Ahead of the second Supervisory Panel**

<b>Milestone</b>	<b>Requirement</b>	<b>Full Time term</b>	<b>Part Time term</b>
M1.3	<ul style="list-style-type: none"> <li>▪ Full progress report (8 - 10,000 words in most cases, but a shorter report accompanied by a clear summary of relevant results /work may be acceptable [with the supervisor's approval])</li> </ul>	2	4
M1.4	<p>Demonstrate work of the quality and quantity expected at the end of Year 1</p> <ul style="list-style-type: none"> <li>▪ Create a detailed, realistic plan of work leading to submission</li> <li>▪ Produce 4 draft chapters/ papers</li> <li>▪ Report on research undertaken to date</li> <li>▪ Research completed (experimental, empirical and theoretical work, where relevant)</li> <li>▪ Produce Supervisory Panel report written in a clear and self- reflective style</li> </ul>	3	5
M1.5	<p>Demonstrate the ability to produce work of the quality and quantity in order to complete a Masters by Dissertation within the standard period.</p> <ul style="list-style-type: none"> <li>▪ Evidence that academic writing is of standard and ability expected at Masters by dissertation level, including adequate referencing and language skills.</li> <li>▪ Write critical literature review clearly identify the major research questions and confirm that adequate resources for completion of the thesis are available</li> </ul>	3	6
M1.6	<p>Demonstration of effective project management through the setting of research goals and prioritisation of activities.</p> <ul style="list-style-type: none"> <li>▪ Create a detailed, realistic completion plan (if required)</li> <li>▪ Produce supervisory Panel report written in a clear and self- reflective style</li> <li>▪ Completed final draft of thesis for supervisor(s)/ supervisory panel comment</li> <li>▪ Attend Proficio courses and plan for further courses to attend, as appropriate.</li> </ul>	3	6



Has the student and supervisory team considered whether the research will be using human participants, and if so, has sought and received formal university ethics approval.

Has the student and supervisory team considered whether the research uses security-sensitive material, and if so, has sought and received formal university registration of this material.

The Supervisory Panel will make a recommendation to the Research Students' Progress Board, ahead of the next academic year. Further information regarding Supervisory Panels and Research Students' Progress Boards can be found here: <https://www.essex.ac.uk/student/postgraduate-research/pgr-progress>

### Completion Period

If, at the 2<sup>nd</sup> Supervisory Panel, a student isn't on track to submit their thesis by the end of year 1 (year 2 for Part time students), a recommendation for a period of completion can be requested from the RSPB, for approval by the Faculty Dean (Postgraduate)

Milestone	Requirement	Term to undertake work <i>(To be used as a guide only)</i>
C1.1	Clear plan to submission <ul style="list-style-type: none"> <li>• Timeline of work needing to take place before submission</li> </ul>	Timeline agreed by Supervisory panel.