

Department of Mathematics and Statistics  
The University of Western Australia  
**MATH4002: Mathematics and Statistics Research Project Part 2**  
**Honours Dissertation Marking Form** - Semester 2, 2023

Student name	Student number:
Thesis title	

As per the UWA policy on examination of Honours dissertation, the Examiners of a dissertation must provide a brief report outlining:

- (i) the main strengths and weaknesses of the dissertation; and
- (ii) the student's demonstrated levels of independence and initiative.

Examiner's report (please write a brief report as per the above requirement):

The mark for the Honours project is based on three elements:

- **Dissertation (80%)** provided by two examiners,
- Seminar (10%) provided by a committee of judges,
- Scientific Communication Course (10%) provided by the lecturer.

<b>Academic content of dissertation (60%)</b> Mathematical and/or Statistical content: Breadth of literature review, mathematical/statistical sophistication, degree of understanding, demonstration of independent thought and insight, interpretation of results. Use of appropriate theoretical mathematical/statistical tools	/50
Novelty: novelty of mathematics or statistical application	/10
<b>Exposition of dissertation (20%):</b> Structure and layout of thesis, synthesis of material into a concise and readable account, mathematical/statistical style, proof reading, use of logical relevant diagrams	/20
<b>Total</b> ( <i>see next page for explanation of grades</i> )	<b>/80</b>

Signature of Examiner:

Date:

Examiner's name:

## Explanation of dissertation grades

- H1: HD+ (90-100% or at least 72/80)** For an outstanding, well-structured dissertation in a difficult or challenging area which displays a high level of mathematical/statistical sophistication and understanding, a substantial degree of insight and independent thought, and will typically contain new material. Appropriate theoretical mathematical/statistical tools will be applied with rigour, and results will be interpreted with logic and flair.
- H1: HD- (80-89% or between 64 and 71/80)** As for HD+ but with some small weaknesses, such as where a presentation is not entirely clear on a few points. There may be trivial errors in the mathematics/statistics and some small flaw in arguments. This is typically the highest grade that will be awarded to a dissertation containing no new material.
- H2A: D+ (75-79% or between 60 and 63/80)** For a dissertation showing excellence in one or two aspects but with no particular strengths elsewhere. An excellently written dissertation reviewing a current area of research and containing a relatively small number of errors would typically be graded at this level, as would a dissertation containing moments of deep insight but with a number of minor errors.
- H2A: D- (70-74% or between 56 and 59/80)** For a consistently sound piece of work written up in a well structured and clear fashion. A dissertation graded at this level would not be expected to show any deep insight but neither would it contain any serious errors in the use of mathematical/statistical tools or in the interpretation of results.
- H2B: CR (60-69% or between 48 and 55/80)** For a dissertation fairly well littered with minor errors and without any areas of real excellence. An otherwise sound dissertation containing a significant error at some point which does not affect the majority of the work would typically be graded at this level. A sound review of a relatively accessible area of mathematics/statistics would also usually attain this grade.
- H3: Pass (50-59% or between 40 and 47/80)** For a dissertation containing a number of significant errors in the use of mathematical/statistical tools or in the interpretation of results. A poorly written and structured dissertation containing no more than a moderate number of such errors would typically be graded at this level. A reasonably structured review of a relatively accessible area of mathematics/statistics, but containing several non-trivial errors, would also usually attain this grade.
- Fail: (less than 50 per cent or less than 40/80)** For a dissertation containing a large number of significant errors, or a number of fundamental errors rendering the majority of the material incorrect.