

# 37457 Advanced Bayesian Methods

## FINAL EXAMINATION INFORMATION

Spring Semester, 2024

### Examination Date and Time

The examination will take place within the time window 11:00am and 1:30pm Wednesday 13th November 2024. You should be at the examination location by 11:00am.

### Examination Location

The examination location is: Room 110, Level 3, Building 7. Please note the following about this location:

- Room 110 is adjacent to the Building 7 security desk, which is at the main entrance of Building 7 from the quadrangle area.
- Room 110 has to be set up in an examination format by the lecturer and his assistants. **IMPORTANT: Please do not enter the room until we call you in.**
- It is unknown if another group is using the room before our 11:00am–1:30pm booking. We will try to access the room at around 10:45am to set it up for the examination. If the room is being used prior to our booking then we will have to wait until 11:00am before we can commence the setting up.
- We are very likely to have the room set up by or before 11:10am. **After that has been achieved we will call you into Room 110.**
- Your sitting position in Room 110 will be marked with a label containing your name. (Your graded Assignment 8 may also be put at your sitting position if you did not receive it at a final examination help session. The same applies to older graded assignments that you have not yet received back from the lecturer.)

### Examination Format

The examination has 4 questions of equal value. Each question represents approximately 30 minutes of work. The allowed time for the examination is

10 minutes reading time followed by 2 hours writing time.

## Examinable Material

All material covered in the *Graph Theory and Statistics* notes is examinable.

All material covered in the slide presentations and assignments is examinable.

The readings corresponding to *Penalized Splines* (Chapter 2 of the 2018 book by Harezlak, Ruppert & Wand) and leave-one-out cross-validation model selection criteria (the journal article by Vehtari, Gelman & Gabry) are not examinable.

Any further clarification can be obtained from Professor Wand at either or both of the help sessions to be held as follows:

<b>Final Examination Help Session I</b>
3pm–4pm Monday 11th November 2024 Room 006, Level 6, Building 7

<b>Final Examination Help Session II</b>
3pm–4pm Tuesday 12th November 2024 Room 006, Level 6, Building 7

or by e-mailing him ([matt.wand@uts.edu.au](mailto:matt.wand@uts.edu.au)).

## Examination Permitted Items

The following items are permitted to be on your table during in the final examination:

- pens,
- ruler,
- your copy of the *Graph Theory and Statistics* notes (which may have your markings on them).

Booklets for writing your solutions will be provided.

## Examination Forbidden Items

The following items are forbidden to be on your table during the final examination:

- calculators,
- laptop computers,
- mobile telephones.

If you bring a mobile telephone to the final examination then please keep it with your other belongings, off the table and switched off.

