

Initial Learning Plan

Personal Learning Goals

1. Describe your current level in mathematics in general and discrete mathematics in particular.

I completed Mathematical Methods in VCE. After that point I have not studied any math other than basic math in my Diploma of Computing at Deakin College in 2018.

2. What do you want to learn and get out of this unit? How does it relate to your degree/future career?

I would like to have a deeper understand of fundamental math that can directly correlate to working with computer systems. This math course will help me get the knowledge ill need for any role that I choose to pivot to from my current role. I wish to end up either in DevOps or as a Software Engineer

3. Choose a target grade and explain why you have chosen to target this grade.

I am aiming for a High Distinction. I have always done better in schooling when I push myself. If I get a chance to chill out I think my mind switches off. Best to keep me busy and on the go. This is something that I have figured out about myself only recently.

4. What do you need to demonstrate to achieve this grade? Relate this to the meaning of each grade.

In order to achieve a High Distinction I will need to show dedication, planning, willingness to ask for help, and willingness to succeed and not give up after being knocked down once or twice or three times!

Study Plan

The table below contains dates by which you are recommended to submit the tasks. **Please remove the unnecessary columns and/or highlight the column corresponding to your target grade.**

(Put it in green to manifest a pass early on!)

Module	Deadline (P)	Deadline (C)	Deadline (D)	Deadline (HD)
Pass Tasks				
Number Theory	18 March	16 March	15 March	15 March
Propositions	27 March	23 March	21 March	20 March
Predicates	03 April	30 March	27 March	25 March
Sets and Functions	10 April	05 April	31 March	30 March
Graph Theory	19 April	10 April	06 April	04 April
Proofs	05 May	17 April	10 April	08 April
Sequences and Recurrence	14 May	02 May	16 April	13 April
Counting	23 May	09 May	30 April	18 April
Credit Tasks				
Advanced Module 1	Not Targeted	16 May	05 May	02 May
Advanced Module 2	Not Targeted	23 May	18 May	07 May
Distinction Tasks				
Advanced Module 3	Not Targeted	Not Targeted	17 May	12 May
Own Topic	Not Targeted	Not Targeted	23 May	17 May
HD Tasks				
Build Your Module	Not Targeted	Not Targeted	Not Targeted	23 May
Workshop activities				
Activity 1 Summary	06 April	06 April	06 April	06 April
Activity 2 Summary	19 April	19 April	19 April	19 April
Activity 2 Summary	28 May	28 May	28 May	28 May

Planning

The purpose of this section is to help you get started, by setting some short-term goals in the unit.

1. What are your goals for the next three weeks?

Within the next 3 weeks (5/3-26/3) I will have completed the first 3 modules on OnTrack and will already be undertaken if not completed module 4. This also includes doing the first introduction work and backup knowledge.

In addition to this I would have asked for help if I am stuck on any unit or question, this is something that will be pivotal to getting a High Distinction. No one is too good for help.

2. How will you achieve those goals?

- *Include any risk and external factor that you need to consider.*
- *Include the resources that you plan to use.*
- *How will you manage your time to implement your plan?*

I will achieve these goals by using my tutor that I am assigned to, and asking the Unit Chair questions where necessary.

I have already started putting an avenue together to complete my goals by joining the SIT192 study group and will ask them for help/and or bounce ideas off of them where necessary.

I will find time to do my course and this unit and addition be a new father and work full time by sticking to a diary and blocking times in. This is done by blocking my day out in advance, then figuring out the blocks of time I have free. Instead of leaving that as "study time" I will block it in as SIT192 or SIT112, and so on. So I don't waste time in that study block figuring out what to study

3. What risks do you anticipate, and how will you manage them?

A risk I fully anticipate is being busy with being a new dad, and also working full time. I sort of touched on how I will juggle this in my previous answer. But it will be all based on how organised I can be within my diary and staying on top of the coursework!

To-do list

Before signing the agreement below, please complete the following tasks and check them off:

- ☐ Read the unit guide;
- ☐ Go through the induction module on the unit site;
- ☐ Prepare your learning plan.

You can also, optionally:

- ☐ Opt into notifications of new announcements on the unit site;
- ☐ Import the calendar files (.ics) provided in the task resources into your personal calendar.

Grading Agreement

I, Lachlan Ballard S218399358, confirm that I have read and understood how this unit works: I understand that:

- I will receive a grade in accordance with the modules I complete;
- I can change my target grade at any time during the trimester, up until I submit my portfolio.
- I am responsible for providing evidence of my work to satisfy the requirements in each module completed.
- It is not possible to fail a module (except by not submitting it), but that updates may be requested to achieve the required standard.
- Following my initial submission, I will work with my tutor and the teaching team to update and complete my submissions until they demonstrate that I have achieved the learning objectives of the module.

I commit to submit the initial submission of my work before the deadlines listed in the table above. I acknowledge that these deadlines can be modified by me, in agreement with my tutor, when the necessity occurs, and that I am responsible for requesting these modifications as soon as I become aware of the need to do so, and no later than the deadline to be modified.

- Name: Lachlan Ballard
- Student ID: S218399358
- Date: 05/03/2025
- Signature: Lachlan Ballard