Welcome to

MAST10006 Calculus 2

Lecturer: Dr Anthony Morphett

a.morphett@unimelb.edu.au

alculus 2 teaching team

ecturers:

r. David Gepner	(9am lecture stream)
r. Anthony Morphett	(11am lecture stream)
rof. Arun Ram	(1pm lecture stream)
r. Alysson Costa	(3:15pm lecture stream)

ubject co-ordinator:

r. Anthony Morphett a.morphett@unimelb.edu.au

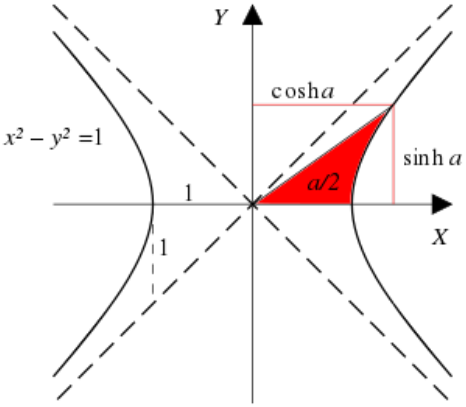
ffice: Room G43, Peter Hall building

ontact Anthony for any matters relating to enrolment, assessment etc

alculus 2 overview

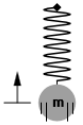
(1) Calculus for Functions of 1 Variable (Weeks 1-5)

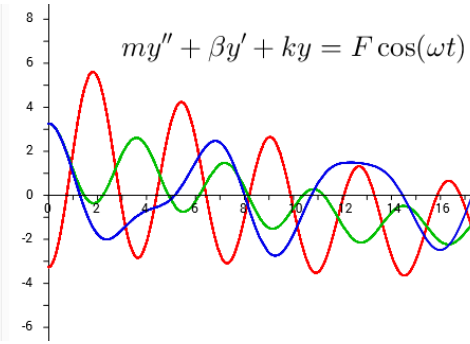
tension of school calculus including hyperbolic functions,
mplex exponential, new methods of integration,
quences and series



(2) Differential Equations (Weeks 5-9)

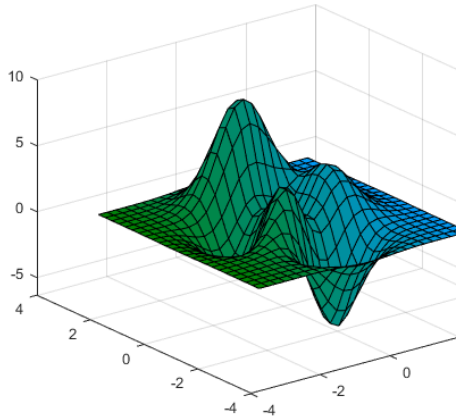
t and 2nd order differential equations, and applications





(3) Calculus for Functions of 2 Variables (Weeks 10-12)

rtial derivatives, chain rule, directional derivatives,
axima & minima, double integrals



ecture notes

- Compulsory for all students
- Buy from University Co-op bookshop (~$11) or from LMS
- Contain all theory, diagrams and statement of questions
- Bring to lectures and fill in the working of examples

roblem booklet

- Exercises to work on at home
- Answers at back
- Ask for help in consultations

ractice classes (tutorials)

- Start this week
- Questions handed out at start of class
- Work in groups at whiteboards
- Full solutions provided at end of class
- Bring lecture notes & problem booklet

- First practice class is revision

  → if you find any of it difficult, see LMS for revision resources

  or come for help…

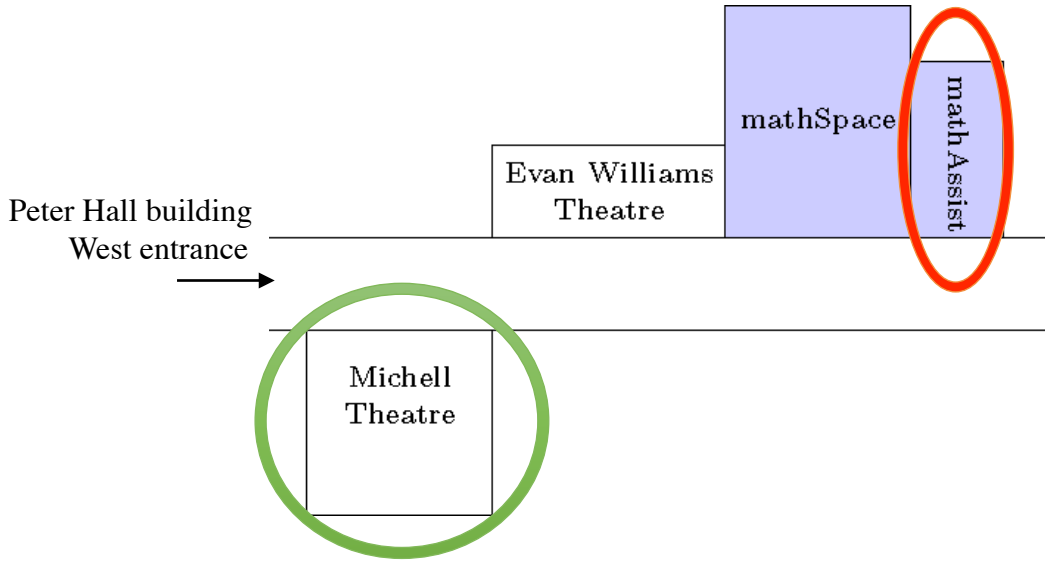
etting help

nsultations

- one-on-one help from lecturer/tutor
- see LMS for times & locations

athAssist

- drop-in help, 12-2pm
- revision/background knowledge
- Peter Hall building, ground floor



azza discussion forum

- student-run discussion forum
- access via LMS

Assessment

Assignments:

- **9 weekly assignments: 6 written, 3 online**
- **Each worth 2.22% of final MAST10006 grade**
- **Due 3pm each Monday from week 4 onwards (Mon 19 Aug)**

Final exam:

- **Worth 80% of final MAST10006 grade**
- **3 hours writing time**
- **No calculators**
- **Formula sheet in problem booklet provided in exam**

Expectations

Attend all classes

Seek help when needed

Check your email daily for announcements

Complete all assignments on time

Work through problem booklet

→ aim to do all questions by swot-vac

~ 9 hours extra study/week outside of class