

MATH 115 Section T2, winter 2004, MWF 12:00–12:50

INSTRUCTOR : Alex Potapov

OFFICE : CAB-551 (CAB, 5 floor, north side), Phone: 492-3912.

e-mail: apotapov@math.ualberta.ca

Course web page: www.math.ualberta.ca/~apotapov/math115.htm

The web page will contain the following materials:

- This **information**
- All important **announcements**, including current **office hours**, my contact information, **dates** for midterms and final (at least 2 weeks in advance)
- All **presented materials**
- All home **assignments** and **solutions**
- **Examples** for midterms and final

Please check this page at least once a week. If this format is inconvenient for someone, please let me know.

OFFICE HOURS: TBA, or by appointment.

TEXTBOOK: “Calculus”, **5th edition**, by J. Stewart, or “Single Variable Calculus”, **5th edition** by J. Stewart. A solution manual for odd numbered problems is available.

PREREQUISITE : MATH 113 or MATH 114, or equivalent.

CALCULATORS and FORMULA SHEETS are not permitted nor needed during exams.

GRADING :

Homework assignments	10%
2 midterms (tentatively beginning of February and March, 20% each)	40%
Final Examination (scheduled on April 20, 2004 at 2 pm)	50%

ASSIGNMENTS : There will be about 10 HW's. Solutions can be handed in class (at the beginning) or can be placed in the appropriate assignment box (3rd floor CAB) before 1:00 p.m. on due day (usually Wednesday). Solutions to the HW's will be available at course web page (see above). It is recommended to do more problems than those required in the HW's. You can work out the odd-numbered problems in the textbook, there are solutions for them.

Note : If you think that an error of grading has been made on your assignment, please contact me.

Deferred Final: scheduled on Saturday, May 15, 2004 at 9 am., if you qualify.

SYLLABUS (tentative, ordering may change) :

1. Review of notions shown in sections 5.1 to 5.5
2. Applications of Integration : 6.1 — 6.3
3. Inverse functions : 7.1 — 7.7
4. Techniques of Integration : 8.1 — 8.5, 8.7, 8.8
5. Further Applications of Integration : 9.1, 9.2, 10.3—10.5
6. Review