

## 1 Time and place: ONLINE in class time, 3/27/2020

## 2 Chapters and topics included:

Midterm exam 2 will cover the chapters 3.1, 3.2, 3.3, 3.4, 3.5, 3.7, 5.1 from the book, AND 5.2 will be treated lightly. More precisely,

1. Integration techniques such as integration by parts, as well as simple substitutions
2. trigonometric integrals, trigonometric substitution,
3. partial fractions and improper integrals,
4. Sequences, as much as covered.
5. Series will be treated lightly. Beware of the definitions and a few facts.

You are also responsible for the content of ALL homeworks, quizzes and worksheets. You are responsible all the materials covered in the lecture notes, directly or indirectly.

## 3 You are expect to:

1. be capable of using simple integration techniques to calculate integrals such as substitution,
2. be able to use further techniques such as partial fractions
3. be able to distinguish between a sequence, a series and convergence and divergence of a sequence/series.

## 4 Study Tips:

1. Go over the lecture notes, re-solve the problems YOURSELF.
2. If you are lacking background knowledge, go back to the relevant chapters of the book.
3. Read careful the feedback from quizzes and make sure you understand your mistakes, if you made any,
4. Look at online homework problems, go over them. Especially the ones you missed.

If you need help, I have office hours TR 17 : 00 – 18 : 00, for section 003 and TR 18 : 00 – 19 : 00 for section 008, both online through blackboard .