

STAT 241 – INTRODUCTORY PROBABILITY AND STATISTICS
251 – ELEMENTARY STATISTICS
2011/2012 – Terms 1 & 2

- **Brief Course Description:**

Probability models, distribution of random variables, statistical estimation and testing theory, topics from regression, analysis of variance.

- **Prerequisite:** Mathematics 200 or 253
- **Instructor:** **Yew-Wei Lim (ylim@stat.ubc.ca)**
- **Lecture time:** Monday, Wednesday, Friday, 8:00 a.m.

- **CONTACT INFORMATION:**

The **Instructor and TA's** can be contacted by e-mail.

Office Hours for the **Instructor:** TBA

- Course Resources

COURSE NOTES

The Course Notes are available online (course website under [Course Notes](#)). These Notes give a concise (to the point) presentation of the course material, usually enough for most students. For further discussion and examples the interested student can consult the books given under “Additional References” below and try the problems from these books suggested in the course website. Chapters 1 and 2 of the Course Notes will be briefly covered in the first lecture and covered in greater depth in the labs.

LECTURE NOTES

The transparencies presented in class are available online under [Lectures](#).

PRACTICE PROBLEMS

Practice problems to help prepare for the midterm and final exams are available online under [Practice Problems](#).

ADDITIONAL REFERENCES

- APPLIED STATISTICS FOR ENGINEERS AND PHYSICAL SCIENTISTS; Second Edition, R.V. Hogg and J. Ledolter.
- PROBABILITY AND STATISTICS FOR ENGINEERING AND THE SCIENCES; Fourth Edition, J.L. Devore.

We gave several copies of these two books to the Math Library. They are available for check out (short term loan). For a list of suggested problems from these textbooks (see course website).

- GRADING

Assignments: 20%

Midterm exam: 30%

Final exam: 50% Must pass this exam to pass the course.

- **Tentative Schedule**

The material in Chapters 1 and 2 (of the Course Notes) will be briefly covered in the first lecture and covered in greater depth in the labs. The remaining chapters will be covered in class.

Chapter 3: 4 hours

Chapter 4: 5 hours

Chapter 5: 3 hours

Chapter 6: 7 hours

Chapter 7: 3 hours

Chapter 8: 5 hours

Chapter 10: 5 hours

Chapter 11: 3 hours

- For more information on Labs, Assignments, Midterm – see the course website.