



# STAT2201 Analysis of Engineering and Scientific Data

## SUMMARY COURSE PROFILE 2016

This is a summary Course Profile. The complete Course Profile (see the *Courses and Programs* page at <http://www.uq.edu.au/study/> or *mySI-net* at <http://www.sinet.uq.edu.au/>) takes precedence.

<b>Web-page</b>	<a href="https://courses.smp.uq.edu.au/STAT2201/2016a/stat2201.html">https://courses.smp.uq.edu.au/STAT2201/2016a/stat2201.html</a>
<b>Course contents (in brief)</b>	Statistical analyses of engineering data, with emphasis on the nature of data and engineering case studies. Includes sampling, exploratory data analyses, experimental designs, basic probability modeling with the normal distribution, point and interval estimation, tests of hypotheses, analysis of variance, regression and statistical process control.
<b>Coordinator</b>	Yoni Nazarathy, <a href="https://www.smp.uq.edu.au/people/YoniNazarathy/">https://www.smp.uq.edu.au/people/YoniNazarathy/</a> . Lectures: Thursday 2-4 (07-234). Consultation: Tuesday 5:00pm, (Priestley Building) 67-753.
<b>Second Lecturer</b>	Melanie Robertson-Dean, <a href="http://researchers.uq.edu.au/researcher/2453">http://researchers.uq.edu.au/researcher/2453</a> . Lectures: Friday 8-10 (23-101). Consultation: Monday 3:00pm, (Priestley Building) 67-447.
<b>Lectures</b>	<ul style="list-style-type: none"> <li>• Lectures take place only in Weeks 1-3 and 5-11 (there are 10 lectures in total). This means there is a three week gap between the third lecture (week 3) and the fourth lecture (week 5) because week 4 is followed by Mid Semester break.</li> <li>• A revision lecture will be held during SWOTVAC.</li> <li>• There are in-lecture-quizzes during weeks 3, 7 and 10. Students may only take the quiz during the lecture in which they are enrolled.</li> </ul>
<b>Tutorials (07-213)</b>	<ul style="list-style-type: none"> <li>• There are 7 tutorials, each involving assessment. These are in weeks 3, 5, 6, 7, 10, 11 and 12.</li> <li>• Students must electronically submit tutorial assignments during their designated tutorial slots and at the tutorial room: 07-213.</li> <li>• Contact John Cohen for any queries regarding tutorial group changes or similar issues: <a href="mailto:stat2201@uq.edu.au">stat2201@uq.edu.au</a> .</li> <li>• Contact the super-tutor, Matthew Habermann with regards to technical matters associated with electronic assignment submission: <a href="mailto:matthew.habermann@uqconnect.edu.au">matthew.habermann@uqconnect.edu.au</a> .</li> </ul>
<b>Prerequisite</b>	MATH1050 or Qld Senior Maths C is assumed knowledge. This is basically elementary calculus and algebra.
<b>Software</b>	Assessment during tutorials and some of the out of class assignments uses the computer package MINITAB.
<b>Assessment tasks</b>	<ul style="list-style-type: none"> <li>• <b>6%</b> - Out-of-class assignments. 3 Assignments, 2% each.</li> <li>• <b>24%</b> - Minitab-based tutorial assignments. 7 assignments. Grade is best 6 out of 7, 4% each.</li> <li>• <b>20%</b> - In lecture Quizzes. Best 2 out of 3. 10% each.</li> <li>• <b>50%</b> - 120 minute final exam.</li> </ul>