Contents

1. Staff contact details

Contact details and consultation times for course convenor

Name: Dr Erik van Voorthuysen
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Consultation concerning this course is available immediately after the classes. Face-

Contact hours

	Day	Time	Location
Lecture	Tuesday	14:00 – 16:00	Science Theatre
Demonstrations	Tuesday	16:00 – 17:30	Science Theatre

Tutorial-Laboratories

4. Teaching strategies

Date	Lecture Content (Science Theatre) 14:00 16:00	Suggested Readings	Demonstration (Science Theatre) 16:00 17:30
Week 6	Engineering economy Part IV – Rate of return analysis, breakeven, sensitivity and payback analysis	Chapter 14, 15, 16, 17, 18 and Lecture notes	Quiz 2 (in-class)
Week 7	Quality management, Basic 7 tools	Chapter 8 and Lecture notes	Questions on the Basic 7 tools Case study discussion
Week 8	Statistical process control – process variables, process attributes, capability analysis	Chapter 8 and Lecture notes	Questions on statistical process control Case study discussion
Week 9	Six Sigma, Lean, Agile, JIT, Process Improvement and Reengineering	Chapter 8, 21 and Lecture notes	

6. Assessment

Assessment overview

Assessment	Length	Weight	Learning outcomes assessed	Assessment criteria	Due date and submission requirements	Deadline for absolute fail	Marks returned
Online Quiz x 3	Multiple choice and short answer questions	45%	1, 2, 3 and 4	Quiz 1: Lecture + Tutorial Material Week 1-4 Quiz 2: Lecture + Tutorial Material Week 5-8 Quiz 3: Lecture + Tutorial Material Week 8-12	Week 3, 6 and 9	End of Week 3, 6 and 9	Immediately after the quiz is closed
Assignment progress evaluation	500 words per team	20%	1 and 2	Performance outcomes from business simulation study	Week 8, 5pm on Moodle	1 week after the due date	Within 2 weeks after submission
Group assignment	2000 words per team	35%	1, 2, 3 and 4	See below	Week 10, 5pm on Moodle	1 week after the due date	Upon release of final results

Assignments

The assignment will be posted on Moodle and a reminder announcement will be made about due dates for the assignments. The assignments support the learning outcomes by incorporating an appropriate mix of activities such as issue analysis, fact-based data analysis that support the design of appropriate solutions and strategies. The assignments also support collaborative team work and integration of different ideas and components into an overall coherent quality management strategy.

The following criteria will be used to grade assignments:

Written reports

Analysis and evaluation of assignments by integrating knowledge gathered in lectures, demonstration sessions and textbook
Sentences in clear and plain English—this includes correct grammar, spelling and punctuation
Correct referencing in accordance with the prescribed citation and style guide
Appropriateness of analytical techniques used
Accuracy of numerical answers
All working shown
Use of diagrams, where appropriate, to support or illustrate the calculations
Use of graphs, where appropriate, to support or illustrate the calculations
Use of tables, where appropriate, to support or shorten the calculations
Neatness

All submissions are expected to be neat and clearly set out. Your results are the pinnacle of all your hard work and should be treated with due respect. Presenting results clearly gives the marker the best chance of understanding your method; even if the numerical results are incorrect.

Presentation

All submissions are expected to be neat and clearly set out. Your results are the pinnacle of all your hard work and should be treated with due respect. Presenting results clearly gives the marker the best chance of understanding your method; even if the numerical results are incorrect.

Submission

Work submitted late without an approved extension by the course coordinator or delegated authority is subject to a late penalty of 20 per cent (20%) of the maximum mark possible for that assessment item, per calendar day.

The late penalty is applied per calendar day (including weekends and public holidays) that the assessment is overdue. There is no pro-rata of the late penalty for submissions made part way through a day.

Exams
Approved Calculators
Academic Honesty and Plagiarism
Disability Support Services
Health and Safety
Lab Access

Dr Ron Chan
Dr Erik van Voorthuysen
August, 2019