



Introduction to Quantitative Methods

Appendix to the 2018-2019 course catalogue





1. Assessment

#	Description	Learning goal(s) #	Lecture week
1	IQM intermediate exam (30%)	1,2,3,5	4
2	IQM final exam (70%)	1,2,3,4,5,6	9

2. Lesson plan

LESSON WEEK	LECTURE TOPICS	PREPARE FOR TUTORIAL	EXAM
week 1	1) real, rational, irrational numbers 2) inequalities 3) exponents and roots 4) properties of fractions 5) factoring polynomials 6) percentages	Homework week 1	
Week 2	1) linear and quadratic functions (workings and graphs) 2) solving linear and quadratic equations 3) BEP	Homework week 2	
Week 3	1) Exponential growth and logarithms 2) Exponentiation 3) Rational functions 4) Σ and Π	Homework week 3	
Week 4	Overview		<u>Interim exam 30%</u>
Week 5	1) Type of variable	Homework week 5	
	2) Central tendency 3) Dispersion 4) Probability		
Week 6	1) Histogram	Homework week 6	
	2) probability distribution and normal distribution 3) One sample T-test		
Week 7	1) association and causation 2) correlation 3) simple linear regression	Homework week 7	
Week 8	Overview	Homework week 1-7	
Week 9			<u>Final Exam (70%)</u>