

Quantitative Methods in Geoscience -GG4203

Course director: Dr Agatha de boer agatha.deboer@geo.su.se, IGV Rm R238

Lecturers: AdB: Agatha de Boer, NK: Nina Kirchner (nina.kirchner@natgeo.su.se)

Assistant: AP: Abhay Prakash (abhay.prakash@natgeo.su.se)

L - Lecture

P - Practical

Date	Time		Subject	Type	Teacher	Room
Week 4			Quantative Methods in Geoscience			
Mo 21 Jan	10:00	11:45	Lecture 1: Introduction, scientific notation, accuracy,	L	AdB	U10
Mo 21 Jan	pm		Self study			
Tu 22 Jan	10:00	11:45	Lecture 2: Coordinate systems, scalars, vectors,	L	AdB	U28
Tu 22 Jan	pm		Self study			
We 23 Jan	am		Self study			
We 23 Jan	pm		Self study			
Th 24 Jan	10:00	11:45	Lecture 3: Functions, linear functions	L	AdB	U11
Th 24 Jan	13:00	15:00	Problemset 1	P	AP/AdB	U11
Fr 25 Jan	10:00	11:45	Lecture 4: Power functions and polynomial functions	L	AdB	U11
Fr 25 Jan	pm		Self study			
Week 5			Quantative Methods in Geoscience			
Mo 28 Jan	10:00	11:45	Lecture 5: Exponential and logarithmic functions	L	AdB	U13
Mo 28 Jan	pm		Self study			
Tu 29 Jan	10:00	11:45	Lecture 6: Angles	L	AdB	U11
Tu 29 Jan	13:00	15:00	Problemset 2	P	AP/AdB	U11
We 30 Jan	am		Self study			
We 30 Jan	pm		Self study			
Th 31 Jan	10:00	11:45	Lecture 7: Sine and Cosine	L	AdB	U11
Th 31 Jan	13:00	15:00	Problemset 3	P	AP/AdB	U11
Fr 1 Feb	10:00	11:45	Lecture 8: Vectors and trigonometry	L	AdB	U12
Fr 1 Feb	pm		Self study			
Week 6			Quantative Methods in Geoscience			
Mo 4 Feb	10:00	11:45	Lecture 9: Differential Calculus	L	NK	U11
Mo 4 Feb	pm		Self study			

Tu 5 Feb	10:00	11:45	Lecture 10: Differential Calculus	L	NK	U11
Tu 5 Feb	13:00	15:00	Problemset 4	P	AP/AdB	U11
We 6 Feb	10:00	11:45	Lecture 11: Integration	L	NK	U37
We 6 Feb	pm		Self study			
Th 7 Feb	am		Self study			
Th 7 Feb	13:00	15:00	Problemset 5	P	AP/NK	U11
Fr 8 Feb	10:00	11:45	Lecture 12: Integration	L	NK	U11
Fr 8 Feb	pm		Self study			
Week 7			Quantative Methods in Geoscience			
Mo 11 Feb	10:00	11:45	Lecture 13: Matrix algebra	L	NK	U11
Mo 11 Feb	pm		Self study			
Tu 12 Feb	10:00	11:45	Lecture 14: Matrix algebra	L	NK	U11
Tu 12 Feb	13:00	15:00	Problemset 6	P	AP/NK	U11
We 13 Feb	am		Self study			
We 13 Feb	pm		Self study			
Th 14 Feb	10:00	11:45	Problemset 7	P	AP/NK	U11
Th 14 Feb	13:00	14:45	Lecture: Ordinary Differential Equations	L	NK	U11
Fr 15 Feb	10:00	11:45	Lecture 16: Ordinary differential equations	L	NK	U10
Fr 15 Feb	pm		Self study			
Week 8			Quantative Methods in Geoscience			
Mo 18 Feb	10:00	11:45	Problem solving: ODEs - in class	P	AP/NK	U11
Tu 19 Feb	10:00	11:45	Revisions	P	NK/AdB	U36
We 20 Feb	09:00	14:00	Exam			Y10