Math 200, S2018, Detailed Schedule

Mon	Wed	Fri
Jan 29, 2018	Jan 31, 2018	Feb 2, 2018
Intro to course Due today: Read 12.1 Next class: RQ 12.2-3, D 12.1	Functions of two variables (12.1) Due today: RQ 12.2-3, D 12.1 Next class: RQ 12.4, D 12.2-3, P 12.1	Graphs, surfaces, contour diagrams (12.2, 12.3) Due today: RQ 12.4, D 12.2-3, P 12.1 Next class: RQ 12.5-6, D 12.4, P 12.2-3
Feb 5, 2018	Feb 7, 2018	Feb 9, 2018
Linear functions (12.4) **Quiz 1** Due today: RQ 12.5-6, D 12.4, P 12.2-3 Next class: RQ 13.1-2, D 12.5-6, P 12.4	Functions of 3 vars (12.5) Limits and continuity (12.6) Due today: RQ 13.1-2, D 12.5-6, P 12.4 Next class: RQ 13.3, D 13.1-2, P 12.5-6, **W1**	Displacement vectors, vectors in general (13.1, 13.2) Due today: RQ 13.3, D 13.1-2, P 12.5-6, **W1** Next class: RQ 13.4, D 13.3, P 13.1-2
Feb 12, 2018	Feb 14, 2018	Feb 16, 2018
The dot product (13.3) Due today: RQ 13.4, D 13.3, P 13.1-2 Next class: RQ 14.1-2, D 13.4, P 13.3	The cross product (13.4) Due today: RQ 14.1-2, D 13.4, P 13.3 Next class: RQ 14.3, D 14.1-2, P 13.4, **W2**	The partial derivative (14.1, 14.2) Due today: RQ 14.3, D 14.1-2, P 13.4, **W2** Next class: RQ 14.4, D 14.3, P 14.1-2
Feb 19, 2018	Feb 21, 2018	Feb 23, 2018
Local linearity, the differential (14.3) **Quiz 2** Due today: RQ 14.4, D 14.3, P 14.1-2 Next class: RQ 14.5, D 14.4, P 14.3	Gradients, the directional derivative in the plane (14.4) Due today: RQ 14.5, D 14.4, P 14.3 Next class: RQ 14.6, D 14.5, P 14.4, **W3**	Gradients, the directional derivative in 3-space (14.5) Due today: RQ 14.6, D 14.5, P 14.4, **W3** Next class: RQ 14.7, D 14.6, P 14.5
Feb 26, 2018	Feb 28, 2018	Mar 2, 2018
The chain rule (14.6) Due today: RQ 14.7, D 14.6, P 14.5 Next class: RQ 15.1, D 14.7, P 14.6	Second-order partial derivs (14.7) Due today: RQ 15.1, D 14.7, P 14.6 Next class: D Rev, P 14.7, **W4**	Review (12.1-14.7) Due today: D Rev, P 14.7, **W4** Next class: Study for exam
Mar 5, 2018	Mar 7, 2018	Mar 9, 2018
Exam 1 Next class: RQ 15.2, D 15.1	Critical points: local extrema and saddle points (15.1) Due today: RQ 15.2, D 15.1 Next class: RQ 15.3, D 15.2, P 15.1	Optimization (15.2) Due today: RQ 15.3, D 15.2, P 15.1 Next class: RQ 8.3, D 15.3, P 15.2
Mar 12, 2018	Mar 14, 2018	Mar 16, 2018
Constrained optimization: Lagrange multipliers (15.3) Due today: RQ 8.3, D 15.3, P 15.2 Next class: RQ 16.1-2, D 8.3, P 15.3	Polar coordinates (8.3) **Quiz 3** Due today: RQ 16.1-2, D 8.3, P 15.3 Next class: RQ 16.3, D 16.1-1, P 8.3, **W5**	Double integrals (16.1, 16.2) Due today: RQ 16.3, D 16.1-2, P 8.3, **W5** Next class: RQ 16.4, D 16.3, P 16.1-2
Mar 19, 2018	Mar 21, 2018	Mar 23, 2018
Triple Integrals (16.3) Due today: RQ 16.4, D 16.3, P 16.1-2 Next class: RQ 16.5, D 16.4, P 16.3	Double integrals in polar coordinates (16.4) Due today: RQ 16.5, D 16.4, P 16.3 Next class: RQ 21.2, D 16.5, P 16.4, **W6**	Integrals in cylindrical and spherical coordinates (16.5) **Quiz 4** Due today: RQ 21.2, D 16.5, P 16.4, **W6** Next class: RQ 17.1-2, D 21.2, P 16.5
Mar 26, 2018	Mar 28, 2018	Mar 30, 2018
Spring Break	Spring Break	Spring Break
Apr 2, 2018	Apr 4, 2018	Apr 6, 2018
Easter Monday	Change of variables and the Jacobian (21.2) Due today: RQ 17.1, D 21.2, P 16.5 Next class: RQ 21.1, D 17.1, P 21.2	Parametrized curves (17.1) Due today: RQ 21.1, D 17.1, P 21.2 Next class: RQ 17.3, D 21.1, P 17.1
Apr 9, 2018	Apr 11, 2018	Apr 13, 2018
Parametrized surfaces (21.1) Due today: RQ 17.3, D 21.1, P 17.1 Next class: RQ 18.1-2, D 17.3, P 21.1	Vector fields (17.3) **Quiz 5** Due today: RQ 18.1-2, D 17.3, P 21.1 Next class: RQ 18.3, D 18.1-2, P 17.3, **W7**	Line integrals (18.1, 18.2) Due today: RQ 18.3, D 18.1-2, P 17.3, **W7** Next class: D Rev, P 18.1-2
Apr 16, 2018	Apr 18, 2018	Apr 20, 2018
Review (15.1-17.1, 17.3, 18.1-2, 21.1-2) Due today: D Rev, P 18.1-2 Next class: Study for exam	**Exam 2** Next class: RQ 18.4, D 18.3	Gradient fields, path-independent fields (18.3) Due today: RQ 18.4, D 18.3, P 18.1-2 Next class: RQ 19.1, D 18.4, P 18.3
Apr 23, 2018	Apr 25, 2018	Apr 27, 2018
Path-dependent fields, Green's theorem (18.4) Due today: RQ 19.1, D 18.4, P 18.3 Next class: RQ 19.2, D 19.1, P 18.4	The idea of a flux integral (19.1) Due today: RQ 19.2, D 19.1, P 18.4 Next class: RQ 21.3, D 19.2, P 19.1, **W8**	Special flux integrals (19.2) Due today: RQ 21.3, D 19.2, P 19.1, **W8** Next class: RQ 19.3-4, D 21.3, P 19.2
Apr 30, 2018	May 2, 2018	May 4, 2018
Flux integrals over parametrized surfaces (21.3) **Quiz 6** Due today: RQ 19.3-4, D 21.3, P 19.2 Next class: RQ 20.1, D 19.3-4, P 21.3	Divergence of a vector field and the divergence theorem (19.3, 19.4) Due today: RQ 20.1, D 19.3-4, P 21.3 Next class: RQ 20.2, D 20.1, P 19.3-4, **W9**	Curl of a vector field (20.1) Due today: RQ 20.2, D 20.1, P 19.3-4, **W9** Next class: RQ 20.3, D 20.2, P 20.1
May 7, 2018	May 9, 2018	May 11, 2018
Stokes' theorem (20.2) Due today: RQ 20.3, D 20.2, P 20.1 Next class: D 20.3, P 20.2	Three fundamental theorems (20.3) Due today: D 20.3, P 20.2 Due next time: D Rev, P 20.3, **W10**	Review (18.3-20.3) Due today: D Rev, P 20.3, **W10**