ENGS-43, Winter 2012

Schedule of lectures and assignments

Wednesday 4 January	Introduction – Concepts – Definitions	
Friday 6 January	Transport and diffusion – Budgets	
Monday 9 January	Pure diffusion (Part 1)	Homework #1 assigned
Wednesday 11 January	Pure diffusion (Part 2)	Project teams decided
Friday 13 January	Boundary conditions	Homework #1 due
Monday 16 January	*No class – Martin Luther King Day*	
Tuesday 17 January(*)	Diffusion with decay	Homework #2 assigned
Wednesday 18 January	Three-dimensional diffusion	
Friday 20 January	Diffusion with advection	Homework #2 & Project topic due
Monday 23 January	Shear dispersion	Homework #3 assigned
Wednesday 25 January	Turbulence	
Friday 27 January	Turbulent jets	Homework #3 due
Monday 30 January	Mixing in stratified fluids	Homework #4 assigned
Wednesday 1 February	Rivers and streams (Part 1)	
Friday 3 February	Rivers and streams (Part 2)	Homework #4 due
Monday 6 February	Rivers and Streams (Part 3)	Mid-term exam assigned at 10am
Tuesday 7 February (*)	Lakes (Part 1)	
Wednesday 8 February	Lakes (Part 2)	Mid-term exam due at 5pm
Friday 10 February	*No class – Carnival Holiday*	
Monday 13 February	Estuaries, lagoons and coastal ocean	Homework #5 assigned
Wednesday 15 February	Introduction to air pollution	
Friday 17 February	Atmospheric stability, smog	Homework #5 due
Monday 20 February	Smokestack plumes (Part 1)	Homework #6 assigned
Wednesday 22 February	Smokestack plumes (Part 2)	
Friday 24 February	Weather – Air mass trajectories	Homework #6 due
Monday 27 February	Acid precipitation	Homework #7 assigned
Wednesday 29 February	*No class – Professor away*	
Friday 2 March	Fukushima accident & dispersion	Homework #7 due
Monday 5 March	Stratospheric ozone holes	
Wednesday 7 March	Climate change (*last class*)	Project report due at 5pm
Saturday 10 March		Final exam assigned at 10am
Wednesday 14 March		Final exam due at 5pm

(*) indicates a class moved to the X-hour because of a college holiday