Working schedule for GEF2610
fall 2017
(dates may change)

The dates below give an estimate of the progression of lectures, assignments, cruise and exams during the semester.

23/8 Introduction (K/P)
25/8 The stratified ocean (P)
30/8 Fluxes of heat, freshwater and momentum across ocean surface (K)
1/9 Conservation of mass, salt and thermal energy (P)
6/9 The momentum equations (K)
8/9 The momentum equations on a rotating planet (P)
13/9 Observing the ocean (K)
15/9 Turbulent mixing and Reynolds fluxes. (P)
20/9 Numerical ocean models (K)
22/9 **Cruise in the Oslofjord** (P)
27/9 Simplified equations for geophysical flows (K)
29/9 Large-scale flows: geostrophy (K) **(1st obligatory assignment due)**
4/10 Large-scale flows: thermal wind (K)
6/10 *No class*
11/10 Q&A session before midterm exam—**bring your questions!** (P)
13/10 **Midterm exam**
18/10 Large-scale flows: vorticity dynamics (P)
20/10 Wind-driven Ekman transport (P)
25/10 The large-scale wind-driven circulation in mid-latitudes (K)
27/10 Wind-driven flows in equatorial and high-latitude regions (K)
1/11 Buyoancy-driven flows: why surface forcing isn't enough (P)
3/11 The global-scale buyoancy-driven circulation (P) (**Cruise report due**)
8/11 Wave kinematics (P)
10/11 Wind-generated surface gravity waves (K)
15/11 Waves influenced by Earth's rotation (K)
17/11 Tides (P) (**2nd obligatory assignment due**)
22/11 Planetary (Rossby) waves (P)
24/11 Q&A session before final exam—**bring your questions!** (P)

4/12 **Final exam**