

```
fun append (xs,ys) =  
  if xs=[]  
  then ys  
  else (hd xs)::append(tl xs,ys)  
  
fun map (f,xs) =  
  case xs of  
    [] => []  
  | x::xs' => (f x)::(map(f,xs'))  
  
val a = map (increment, [4,8,12,16])  
val b = map (hd, [[8,6],[7,5],[3,0,9]])
```

Programming Languages

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2013

Grading Policy

Grading Policy

- Everything in this video also detailed on Course Logistics / Policies page
 - So video is optional, but helps highlight key points
- Hope grades are not our focus, but clarity still valuable

Outline:

- What the policy is
- Why [optional]

The Key Difference

- Homework grading stricter than in most MOOCs
 - Auto-grading score average of first two submissions
 - But any submission getting a 0 “doesn’t count”
 - That is, at most one resubmission
 - After that, can still submit but won’t affect grade
- Coursera website will not always calculate grades correctly for our policies
 - End-of-course grade calculations will be done correctly

Top-down overview

- 7 homeworks worth 10% each (70% total)
 - For each 90% is auto-grading and 10% is peer-assessment
 - Note separate submission for peer-assessment
- Midterm exam and final exam worth 15% each (30% total)
 - Timed, one chance only, in web-browser
 - (More information and practice exams later)
- Statement-of-accomplishment for total 70% or above

Homework deadlines and details

- Each homework has a “soft” and “hard” deadline (2 days)
 - 30% auto-grading penalty for missing soft deadline
 - No peer-assessment penalty before hard deadline
- After hard deadline:
 - Auto-grader still works but will not affect grade
 - Cannot participate in peer assessment (infeasible)
- Detail: If first non-zero submission is before soft-deadline and second is after soft-deadline before hard-deadline, then no 30% penalty

Peer Assessment

- 3 peers will evaluate style and feature-usage on 1-5 scale
- General instructions plus problem-specific instructions
- Be kind, helpful, and not time-consuming
- Original motivation: Make sure style counts for something
- Revealed advantage: Super-helpful for reviewing and learning, both by grading and receiving feedback

Rationale: Why the strict policy?

- Deadlines: cohort in sync, motivation, peer assessment
- Separate turn-in: Platform limitation
- Average of only first two non-zero submissions
 - Thinking rather than random twiddling: learn more, save time
 - (Definitely advantages and disadvantages here)
 - Auto-grader feedback without making 100% trivial
 - More like a conventional challenging university course
 - Auto-grader still available for mastering, just not for grade
- There is no perfect grading policy, only trade-offs