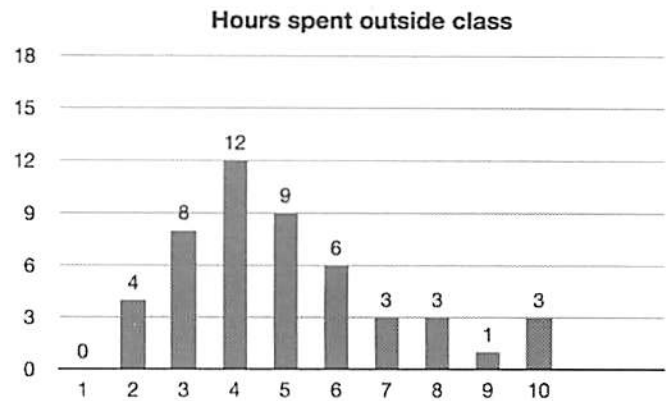
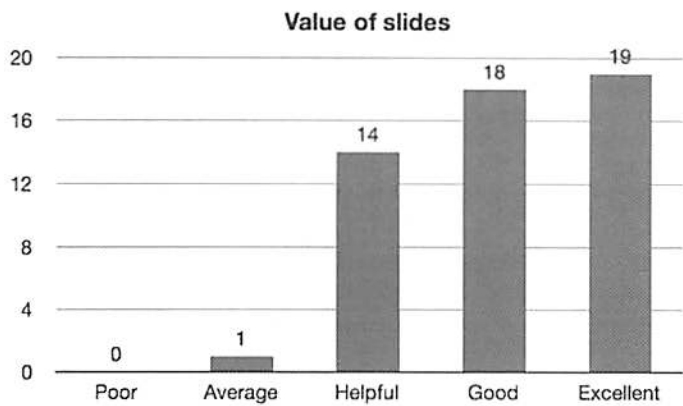
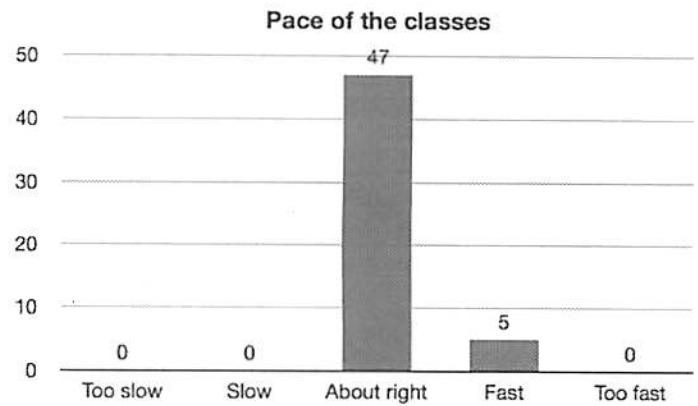
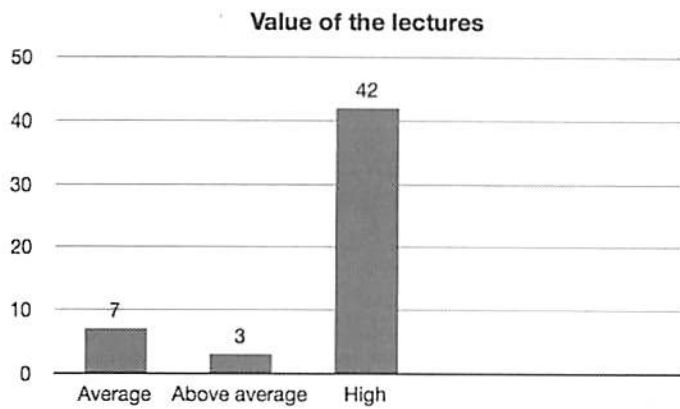


Number of evaluations received = 54; number of students in the class = 95



**Like about the course**

- Clear, real-world examples [20]
- Videos, website and resources [11]
- Helpful informative assignments [8]
- Interactive discussions in class time [6]
- Group work in the course [6]
- Clear slides [6]
- Well-organized [4]
- Discussions during assignments [4]
- Frequent assignments to stay on top [3]
- Instructor's attitude [3]
- I'm learning useful information [2]
- Interesting topics [2]
- The course is challenging me [1]

**About self-directed learning**

- Hard to find the time to read the readings
- I've been advised that this is what real-life is like
- Helps me learn how to depend on myself
- Lots of conflicting information out there
- A little too advanced for this course
- Can be challenging
- Does help exist if we struggle? *Absolutely!*
- Valuable: because we won't be spoon-fed in industry later on
- Ambiguity is good practice
- Not rewarding
- Indifferent to it
- Don't like it: we're here to learn from professors
- Dislike it - takes less time if instructors just tell us the information
- Promotes independence from a harnessed environment

**Improvements to make**

<ul style="list-style-type: none"> <li>• Most common issue was PDF slides           <ul style="list-style-type: none"> <li><i>The advice I've taken from the feedback is:</i></li> <li>• I have posted the full set of slides from 2012 (they are mostly similar) for people that want to print once</li> <li>• I will post the updated complete PDF file for every class for people that want to print incremental slides (multiple pages per page)</li> <li>• I will post a separate PDF of the <b>new slides only</b></li> </ul> </li> <li>• Office hours           <ul style="list-style-type: none"> <li><i>There are "office hours" - anytime that I'm available. My calendar is posted online - I'm available when it shows. Just drop by, or email if you want to confirm a time. The TAs are available by email, because they are not always at their desks.</i></li> </ul> </li> <li>• More examples and practice questions           <ul style="list-style-type: none"> <li><i>The Economics section had many examples with various levels of complexity; the assignments and midterm from 2012 are posted on the website - with full solutions. The next section has lots of examples coming.</i></li> </ul> </li> <li>• Course website is hard to navigate           <ul style="list-style-type: none"> <li><i>I hope this is not true for everyone. Please use the "search" box at the top right side. Or tell me what you couldn't find and I'll make it clearer to find.</i></li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• CAD and PID drawings           <ul style="list-style-type: none"> <li><i>That's coming this week in the tutorial.</i></li> </ul> </li> <li>• Post midterm 2012 solutions           <ul style="list-style-type: none"> <li><i>They were available on the course website</i></li> </ul> </li> <li>• Instructor's attitude when asking questions - I feel embarrassed and self-conscious.           <ul style="list-style-type: none"> <li><i>This is not my style at all - sorry if you've been offended. You'll notice I never give a direct answer in tutorials, rather I'll ask a series of questions to help you guide yourself to the answer. The purpose is that you can learn to guide yourself on future, similar questions. ("Give a man a fish and you feed him for a day. Teach a man to fish and you feed him for a lifetime.").</i></li> </ul> </li> <li>• Post slides in advance           <ul style="list-style-type: none"> <li><i>I update the slides right before the class, based on the prior class and topics that might be of interest. Please see the 2012 slides if you'd like to read ahead. They are mostly similar - there might be slight differences though.</i></li> </ul> </li> <li>• Props and demos in the class           <ul style="list-style-type: none"> <li><i>The department used to have safety valves and other devices. Unfortunately they've been stolen from the labs. New ones are super expensive (over \$10,000). I do have pictures in the notes when I can find good ones.</i></li> </ul> </li> </ul>
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**Meetings**: 28 October to 4<sup>th</sup> November

- What are the major capital items? Preliminary costs yet?
- Costs for raw materials, utilities, labour, other expenses?
- Come with a (fairly) detailed PID for your section.
- Evidence of thinking about basic process control system, alarms, SIS, relief and containment. At which levels?
- Which node & variables will you consider for HAZOP? Why?
- Major units: how have you <sup>calculated</sup> ~~done~~ your preliminary sizing?  
How did you take upstream/downstream units into account?
- To consider: how would you start up / shut down the process?  
what extra piping/equipment would be needed?

Provide an agenda 48hrs prior to meeting: it must be detailed!