CS 2316 – So, How hard is this class?
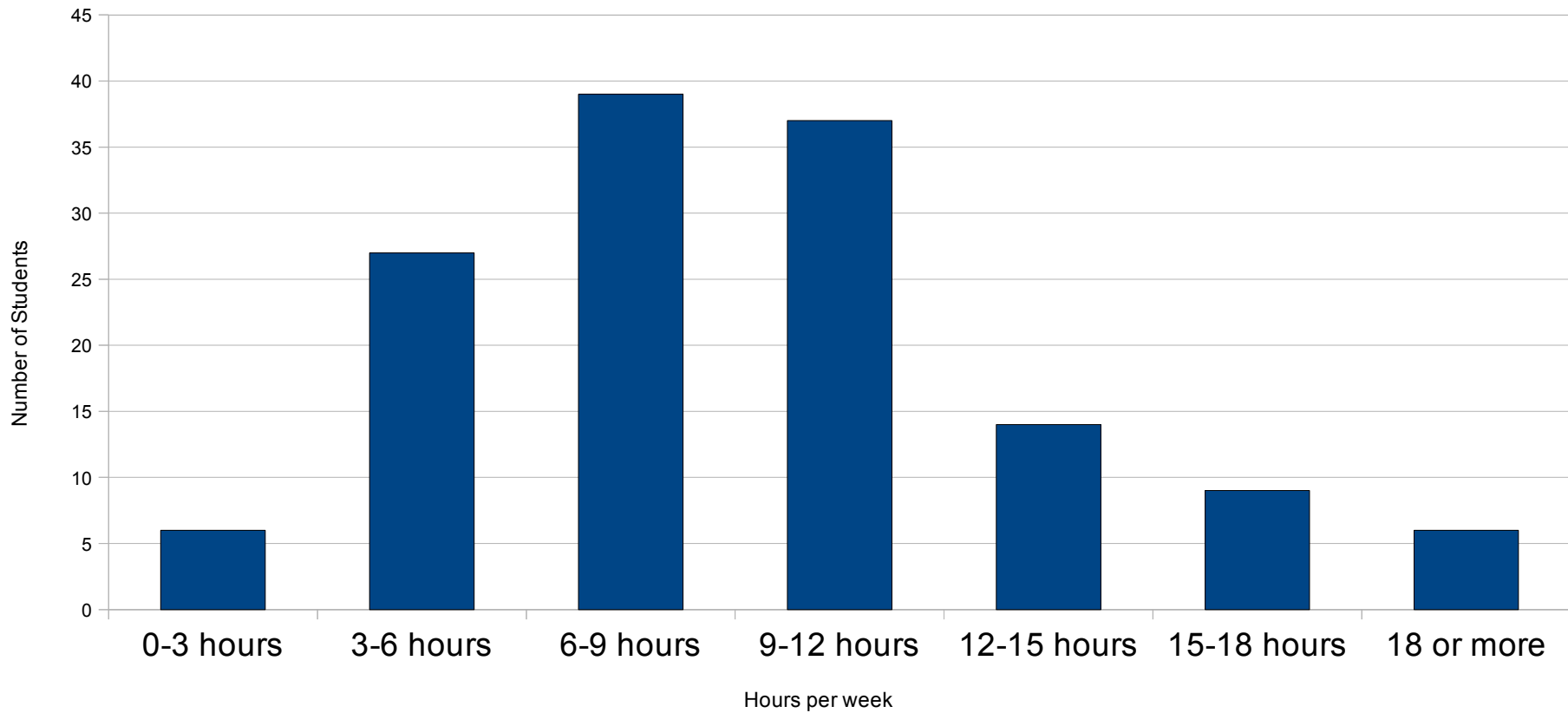
College of Computing

Jay Summet

CS 2316 – A "Hard" class

Hours Spent per Week

(In class / on homeworks, etc)

Student Quotes:

- "Way too much work"
- "Going to class is very important!"
- "This course is literally a marathon of work with hardly any time to recharge between hw, tests, and timed labs"
- "Homeworks were very hard"
- "HW required a lot of time, but was very helpful for the course."
- "I thought the effort exerted was very fair"

From the Registrar

"One semester credit is expected to require *at least* three hours of scholarly activity per week."

- http://www.registrar.gatech.edu/faculty/fs_sch.php

3 credit class = 9 hours a week

Minimum time alotment

3 credit class = 9 hours a week
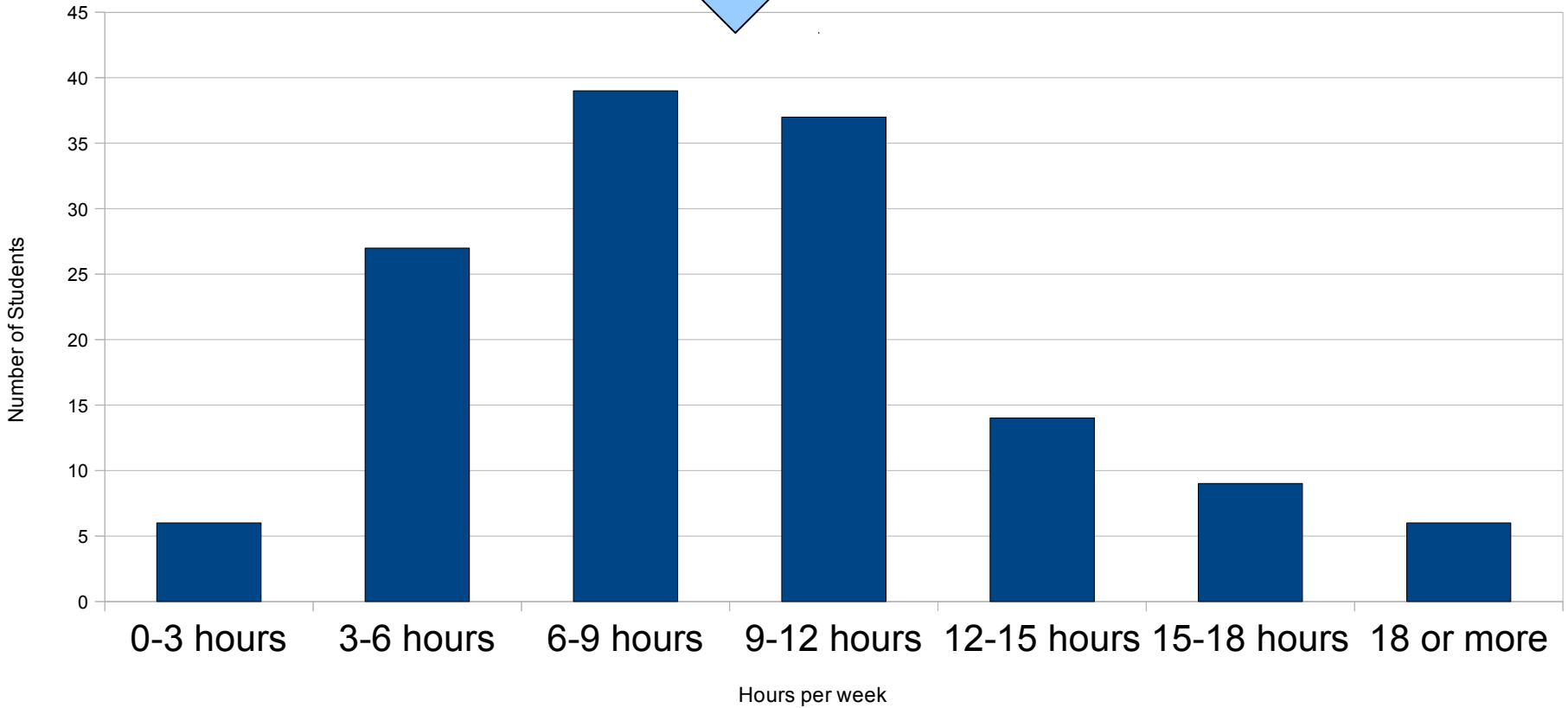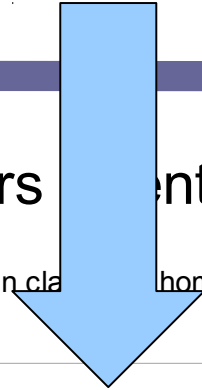
2.5 hours of lecture (3 x 50min)
1.5 hour of recitation (unless you finish early)

At least 5 more hours for reading, studying, and homeworks. Every week! (Some weeks will be more, some will be less.)

Average 9 hours a week

Hours Spent per Week

(In class, homeworks, etc)

Do you have a heavy load this semester?

"One semester credit is expected to require *at least* three hours of scholarly activity per week."
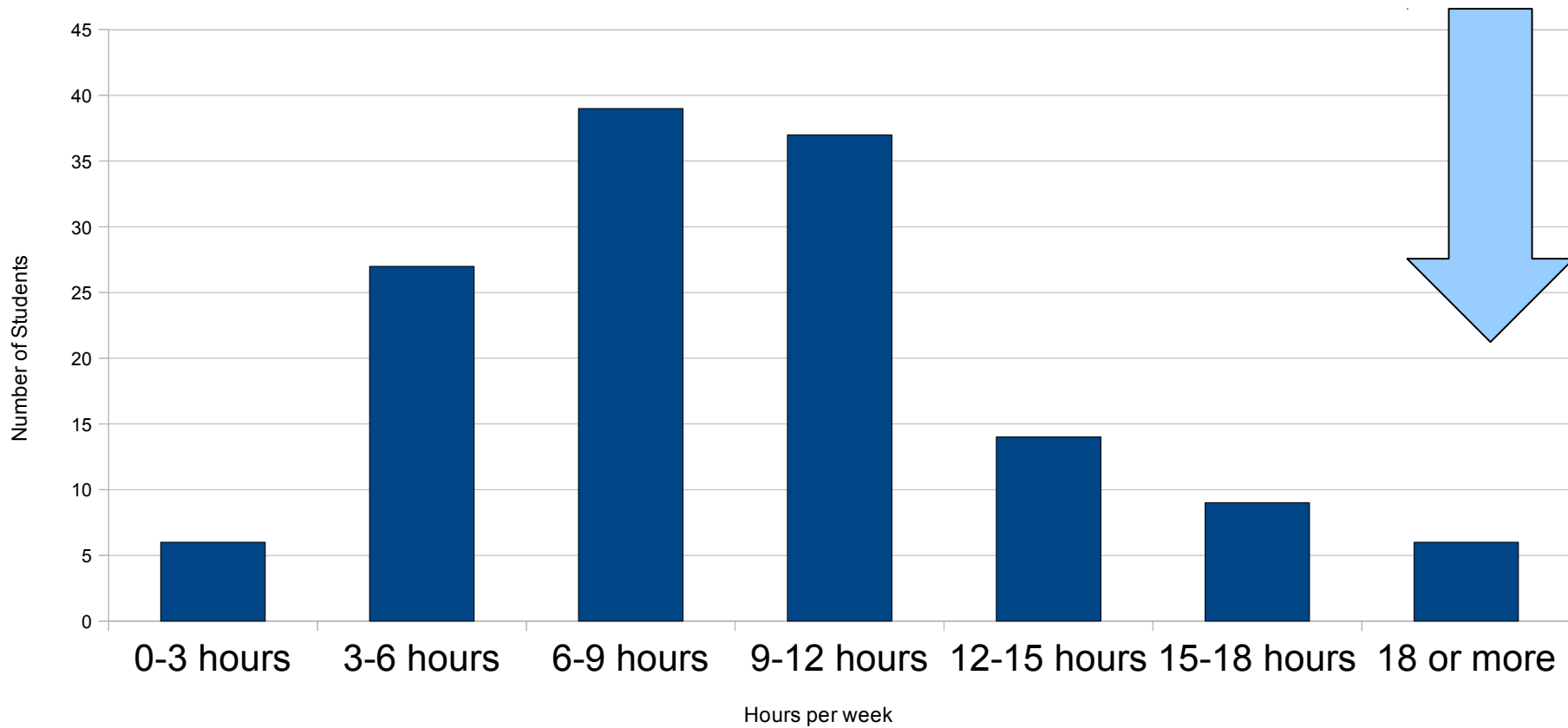
‑http://www.registrar.gatech.edu/faculty/fs_sch.php

15 credit hours = 45 hours a week

Full Time >= 12 credit hours

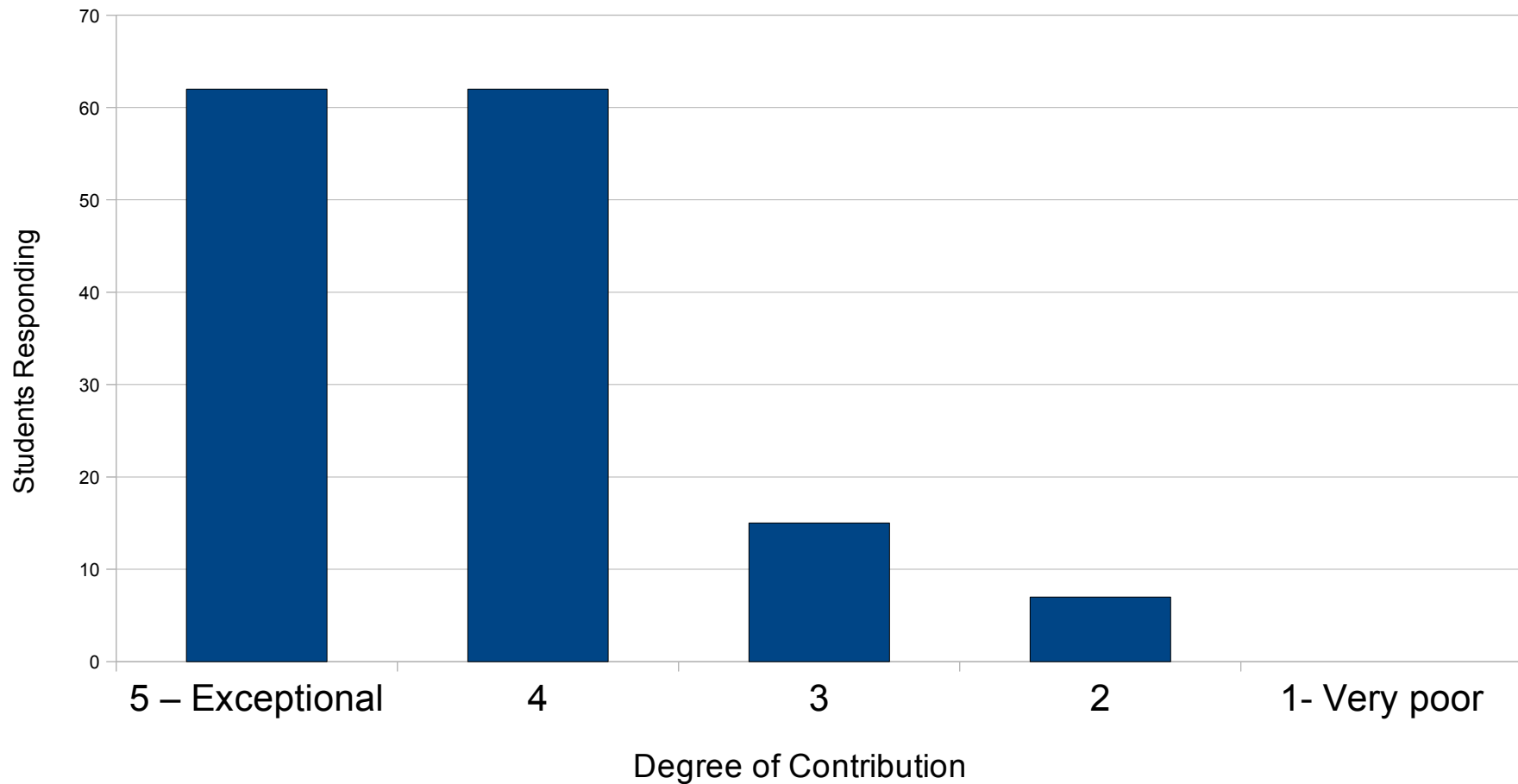# Some students spend more time...

Hours Spent per Week

(In class / on homeworks, etc)

Homeworks????

Assignment Contribution to Learning
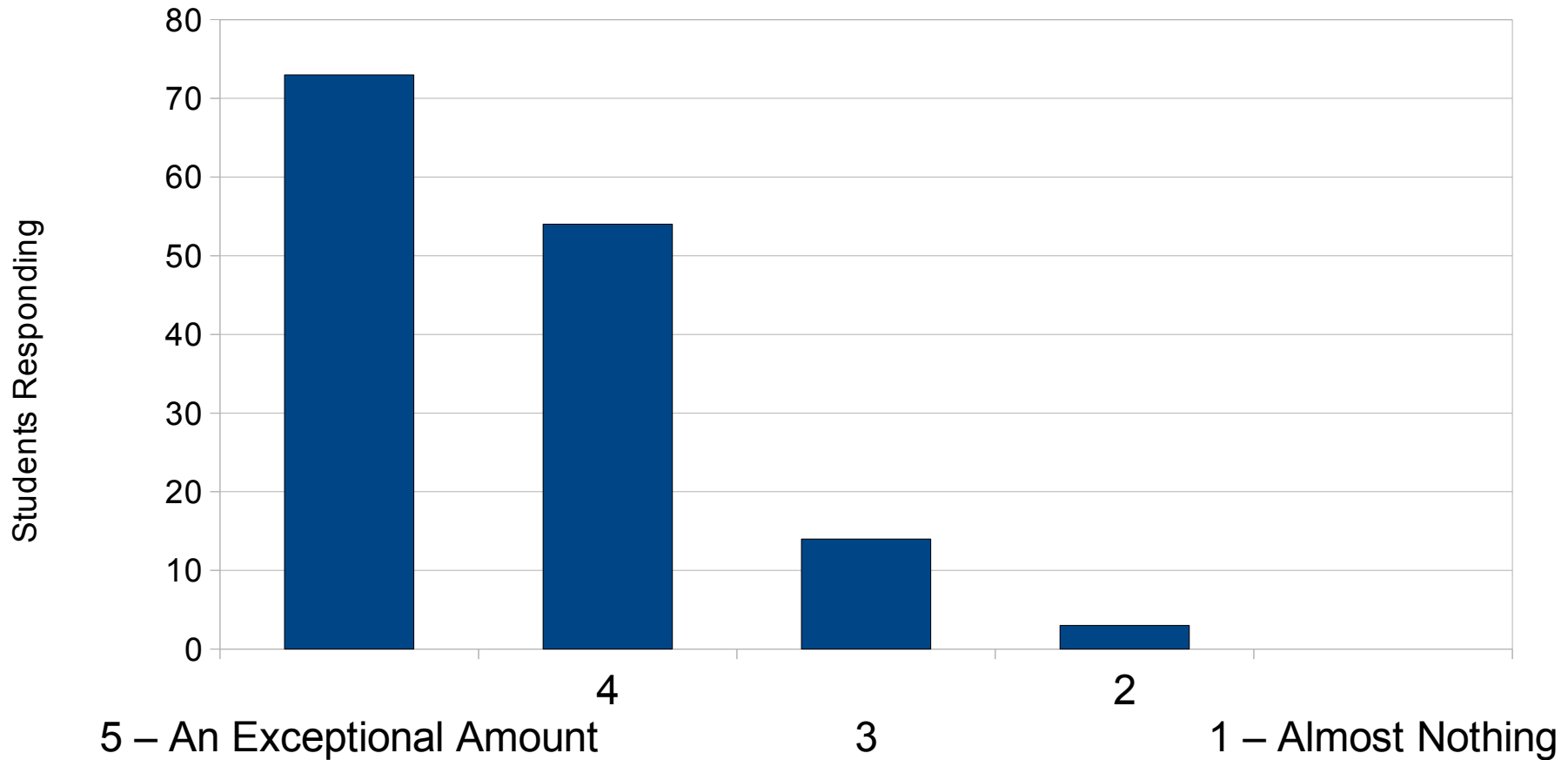
Degree to which assignments facilitated learning

Student Quotes:

- "If you could effectively do the homeworks, the rest of the class was very doable."
- "All of the hard work we put into homework actually counted significant towards our final grade."
- "Homework taught skills."

What do you get for all this work?

Amount Learned

How much would you say you learned in this course?

Student CIOS Quotes:

- "learning real life applications"
- "I can see it helping me in the workplace in the future."
- "I did learn how to use Python and will use it later."
- "SQL, XML, GUI's are very useful topics to learn."
- "I feel like I know enough of Python to make it a resource in other classes and the workplace."

- Reason you are taking CS 2316
  - It's required for your major!
  - ???

CS 2316 – Why you should be here

- Reasons for taking CS 2316
    - It's required for your major!
    - Prepares you for CS 4400 project.
    - Prepares you for Senior Design
    - Prepares you for internships
    - Prepares you for your first job.
    - Teaches valuable skills.

CS 4400 - Project Option

- If you do the "Heavyweight" project option in CS 4400, you don't have to take the final.

- "Heavyweight" option requires you build a GUI application with database connectivity. (GUI/SQL)

- After CS 2316, you can do that!

Senior Design / Project

- Many senior project teams have customers who need data analysis.

- May want you to write an application to automate a currently manual process.

- Some teams build programs for their own internal use.

Student Email:

This summer I've used python extensively for all sorts of tasks, from repository hooks to translating files from one XML schema to another, I've used it almost daily for weeks. Just wanted to let you know how much I appreciated your class and having a basis of python for this internship.

Student Email:

"Hey Jay,
Just wanted to let you know that i got to use Python at work today. I used csvwriter after messing with a text file. And then i used sql in access on a combination of a couple files."
-Samir Pujari

Student Email:

...[a program] I wrote for my company (Accenture) during my internship this summer. It analyzes two excel [files] and creates a new one with the information. This was previously done manually and led to many errors.

Student Email:

"I work with prototype devices [at Verizon] that use different firmwares. We needed an easy offline way of putting the firmwares on the devices directly. So I wrote a script that allowed the user to select a folder where they would like to put the firmware when the device was plugged up, and depending on the type of firmware the user selected it would put that firmware directly on the device."
-Joshua Okanlawon

Student Email:

I am working on a project using Python at my internship. It reads in two CSV files, compares the data using two for loops, and prints the data that have matches.

I want to mention how neat it is to be using what I learned in CS 1301 and 2316 on a daily basis at my internship. It is a very rewarding and motivating feeling.