Webwork at Pitt

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August 21, 2014
Webwork is an online homework management system.

It can:

- Give instructors access to a library of over 20,000 problems for building online assignments
- Generate randomized versions of assigned problems for individual students
- Give students instant feedback on their answers
- Automatically grade student work
- Automatically publish homework solutions after a specified date (for some problems)
How is Webwork used at Pitt?

- Webwork homework replaces written homework in Math 0120, 0125, 0126, and 0200.
- You will assign online homework to your students.
- Your Webwork courses have been set up for you, with a set of 13 default homework sets already prepared.
- Your class rosters have been loaded into your course, and will be updated periodically through the add/drop deadline.
You can become a student right now.

- Go to \url{http://webwork.math.pitt.edu}
- Click the link to Math 0120 Demo or Math 0200 Demo, depending on which class you are teaching.
- Try your usual Pitt login. *Your username must be in lower case.*
- If your Pitt login does not work, try the username “guest” with password “12345”.
What will I see as an instructor?

- Find the link to your course, identified by class number, and click on that link.
- Log in with your usual Pitt username (in lower case) and password.
Why don’t I see any problem sets?

Answer: Because you haven’t assigned any to yourself! Let’s fix that right now!

Just follow the steps in section 3.2 of the handout “Webwork for Instructors”:

1. Click “Instructor Tools” in the main menu on the left.
2. Select the problem sets Homework 01 – Homework 13 from the scrolling list on the right. *Do not select any other problem sets at this time.*
3. Select your username from the scrolling list on the left.
4. Click “Assign selected users to selected sets.”
What do I need to do as a Webwork instructor?

Assign online homework and set due dates

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What else *can* I do?

You can modify existing problem sets or build your own problem sets. The Open Problem Library contains thousands of problems organized by topic. We have provided some extra problem sets organized by textbook section that you can use as problem sources for custom assignments.

Modify individual problems by:
- Changing weight (point value)
- Limiting the number of attempts allowed (default is unlimited)
- Editing content

You can author your own online problems. This requires some (minimal) programming skill.

Make and administer timed online quizzes.
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Where can I get more information?

- http://calculus.math.pitt.edu/instructor/
- http://webwork.maa.org
What will I do today?

- Log on to your Webwork course as instructor
- Assign problem sets to yourself (so that you can see them).
- Assign your first homework set to students. Required steps are
  - Make the homework visible to students
  - Set an opening date
  - Set a due date
  - Set a date for publication of solutions
  - Assign problem set to all students.

Detailed instructions are in section 3.3 of the handout. Go ahead and assign Homework 1 to your students now!
Class rosters are loaded into Webwork for you.

Rosters are updated each day through the end of add-drop.

**Warning:** Homework is not automatically assigned to newly added students.

- Any homework you assign before the end of add-drop will have to be manually assigned to newly added students.
- The simplest way of doing this is to repeat the process of assigning to all students every couple of days through the end of add-drop.