Webwork

How to create a new problem set.

These instructions assume you want to select problems from existing problem sets to create a new set with a new name. Recall the naming convention suggested:

course_assignment_instructor, e.g., ECE220_HW_5_hjt(or trussell). This allows me to keep better track of all of the assignments for different courses. If everyone uses only HW_5, then I have trouble identifying which course that file belongs to when I maintain the file system for ECE. If you are developing problems, you may wish to include the semester identifier with the problem set, e.g., ECE331_F16_HW_02_Oralkan.

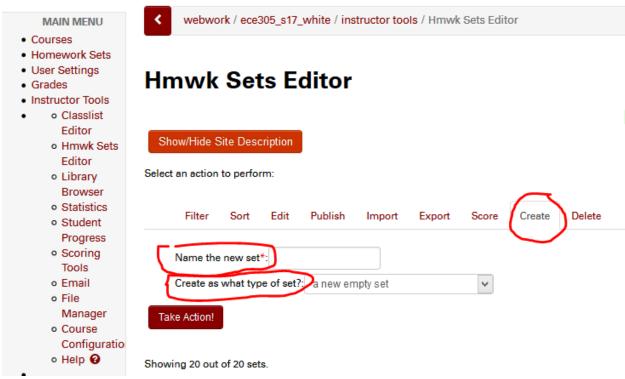Logon to your course at https://webwork.math.ncsu.edu/webwork2/
To see all the problem sets available for your course, use the left hand menu and click "Hmwk Sets Editor. "
If you want problems from more than one set, you can add problems sequentially.
First create the new problem set using the "create" button at the top. Enter the name of the new set. You can use an existing set if most of the problems you want are in one or you can create a new empty set. Most often you will likely start with an existing set, then delete and add problems. Then click the Take Action button. Webwork always requires clicking on the take action button or something similar to complete the action desired.

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Hmwk Sets Editor

Show/Hide Site Description

Select an action to perform:

| Filter | Sort | Edit | Publish | Import | Export | Score | Create | Delete |

Name the new set*:

Create as what type of set?: a new empty set

Take Action!

Showing 20 out of 20 sets.

I have named the new set ECE305_S17_temp_hjt. To choose the set I'm starting with, I check the box to the left of ECE_305_HW2_Fall16 (note that the underscores do not show on the Webwork list). Then click "Take Action."

Filter   Sort   Edit   Publish   Import   Export   Score   Create   Delete

Name the new set*: CE305_S17_temp_hjt   ⟵

Create as what type of set?: a duplicate of the first selected set ⌄   ⟵

Take Action!

Showing 20 out of 20 sets.

Set List

	Edit Set Data	Edit Problems	Edit Assigned Users	Visible	Open Date	Due Date	Answer Date
☐	MAAtutorial ✏	17	1/6	Yes	01/10/1997 at 06:00am	01/01/2005 at 02:00am	01/01/2005 at
☐	Demo ✏	8	1/6	Yes	01/10/1998 at 06:00am	01/01/2006 at 02:00am	01/01/2006 at
☐	Orientation ✏	15	1/6	Yes	06/26/2004 at 11:30am	09/30/2015 at 12:20pm	09/30/2015 at
☐	ECE305 HW3 Sum16 ✏	3	1/6	Yes	07/11/2016 at 11:59pm	07/18/2016 at 11:59pm	07/20/2016 at
☐	ECE305 HW1 White ✏	10	1/6	Yes	07/11/2016 at 11:59pm	07/18/2016 at 11:59pm	07/20/2016 at
☐	Webwork Examples ✏	9	1/6	Yes	07/12/2016 at 11:59pm	07/19/2016 at 11:59pm	07/21/2016 at
☐	ECE305 HW1 Fall 16 ✏	10	1/6	Yes	08/19/2016 at 11:00am	09/02/2016 at 11:59pm	09/02/2016 at
☑	ECE305 HW2 Fall16 ✏	3	1/6	Yes	07/09/2016 at 01:59am	09/16/2016 at 11:59pm	09/16/2016 at
☐	ECE305 HW3 Fall16 ✏	3	1/6	Yes	09/13/2016 at 11:59pm	09/23/2016 at 11:59pm	09/23/2016 at

 To see the problems in a problem set, open the set, i.e., click on the number in the Edit Problems column. For this sets, that is 3. This give you the set Details 2 for set ECE305_S17_temp_hjt. See below. Then click the Render All tab.

Set Detail 2 for set ECE305_S17_temp_hjt

This set **ECE305_S17_temp_hjt** is assigned to 1 student.	Edit individual versions of set ECE305_S17_temp_hjt.

Any changes made below will be reflected in the set for ALL students.

Save Changes   Reset Form

General Information	
Opens	07/09/2016 at 01:59am
Answers Due	09/16/2016 at 11:59pm
Answers Available	09/16/2016 at 11:59pm
Visible to Students	Yes
Hide Hints from Students	No
Assignment type	homework

Set Description

Headers	Data
Set Header	defaultHeader
	Use Default Header File
Hardcopy Header	defaultHeader
	Use Default Header File

Problems

Renumber Problems   Render All   Hide All   Display Mode: images

| 1 ↕ | | Weight | 1 | | Source File | local/ECE305_HW2 |

This shows the problems in that set. See Below

Renumber Problems   Render All   Hide All   Display Mode: images ⌄

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1 ↕

▣ ✎ 👁

☐ Delete it?
☐ Mark Correct?

Weight [1]

Max attempts unlimited

Source File local/ECE305_HW2_Lukic/ECE305_HW_02_Sum16_P01_Boxu:

(1 point) **local/ECE305_HW2_Lukic/ECE305_HW_02_Sum16_P01_Boxuan.pg**
A balanced three-phase delta-connected source is connected by a cable to a three-phase load as shown below. The balanced Y-connected load has impedance of $Z = 28\angle 60°\Omega$ per phase. The cable has a per-phase impedance of 2Ω (negligible reactance). The delta-connected, positive-sequence source has a line-to-line voltage $V\,ab = 208\angle 0°$ which is to be used as a reference in working this problem.

Calculate the following phasor voltages and currents which are marked in the figure below, supplying both the magnitude and angle:

$I_{ab} =$ [   ] $\angle$ [   ] $°A$ help (numbers)

$I_a =$ [   ] $\angle$ [   ] $°A$ help (numbers)

$V_{c'a'} =$ [   ] $\angle$ [   ] $°V$ help (numbers)

Also determine the following:
Total three-phase real power consumed by the delta-connected load.

$P_{load} =$ [   ] kW

Total three-phase real power delivered by the delta-connected source (includes line loss)

$P_{source} =$ [   ] kW

Solution:

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2 ↕

▣ ✎ 👁

☐ Delete it?
☐ Mark Correct?

Weight [1]

Max attempts unlimited

Source File local/ECE305_HW2_Lukic/ECE305_HW_02_Sum16_P02_Boxu:

(1 point) **local/ECE305_HW2_Lukic/ECE305_HW_02_Sum16_P02_Boxuan.pg**
Suppose that you are taking measurements at an industrial site using a three-phase power analyzer as shown in figure below. The analyzer set-up measures RMS Line Current Magnitude, RMS Line Voltage Magnitude and Three-Phase Average Power. The two loads connected via three-phase switches are Motor A and Motor B. A Y-connected capacitor bank is connected via Switch C.
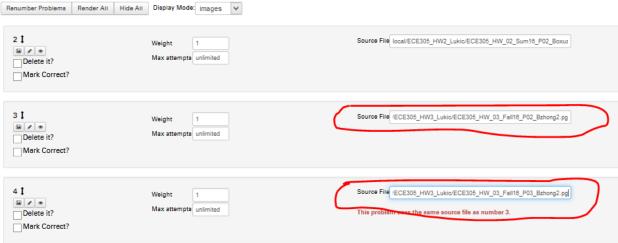

You can now look at the problems and see which ones you want to keep and which you want to delete. Let's say you want to delete 1 and 3 from this set and add one from set HW3. Click on the box for "Delete it" in problems 1 and 3. Then click the "Save Changes" button on the bottom. This leaves only Problem 2 in this set. Let's add problems from HW3. Click on "Hmwk Sets Editor" in the left hand menu. Click on the 3 in the Edit Problems" column of ECE305_HW3_Fall16. (BTW- I recommend using the right click on the mouse to open a new window.). Click on "Render All" as before to see the problem statements. Let's say you want to add Problems 2 and 3 from this set. Scroll down and check the name of the "Source File". Copy this file name down and use it to add to the problem set you just created.
Go back to ECE305_S17_temp_hjt (click on the 1 in Edit Problems column). Click on "Add" box and insert 2 in the entry box for the blank problems.

Set Detail 2 for set ECE305_S17_temp_hjt

This set **ECE305_S17_temp_hjt** is assigned to 1 student. | Edit *individual versions* of set ECE305_S17_temp_hjt.

Any changes made below will be reflected in the set for ALL students.

[Save Changes] [Reset Form]

General Information	
Opens	07/09/2016 at 01:59am 🗓
Answers Due	09/16/2016 at 11:59pm 🗓
Answers Available	09/16/2016 at 11:59pm 🗓
Visible to Students	Yes ⌄
Hide Hints from Students	No ⌄
Assignment type	homework ⌄

Set Description

Headers	Data
Set Header ✏ 👁	defaultHeader Use Default Header File ⌄
Hardcopy Header ✏ 👁	defaultHeader Use Default Header File ⌄

Problems

[Renumber Problems] [Render All] [Hide All] Display Mode: images ⌄

2 ↕
🖼 ✏ 👁
☐ Delete it?   Weight [1]
☐ Mark Correct?   Max attempts [unlimited]   Sou

☐ Automatically render problems on page load
☐ Force problems to be numbered consecutively from one
☑ Add [2] blank problem template(s) to end of homework set

[Save Changes] [Reset Form] (Any unsaved changes will be lost.)

Then click "Save Changes". This gives two blank problems, where you can insert the file names for the problems you desire.

Problems

Renumber Problems | Render All | Hide All   Display Mode: images

2 ↕
🖼 ✏ 👁
☐ Delete it?
☐ Mark Correct?
Weight [1]
Max attempts [unlimited]
Source File [local/ECE305_HW2_Lukic/ECE305_HW_02_Sum16_P02_Boxua]

3 ↕
🖼 ✏ 👁
☐ Delete it?
☐ Mark Correct?
Weight [1]
Max attempts [unlimited]
Source File [setECE305_S17_temp_hjt/blankProblem.pg]

4 ↕
🖼 ✏ 👁
☐ Delete it?
☐ Mark Correct?
Weight [1]
Max attempts [unlimited]
Source File [setECE305_S17_temp_hjt/blankProblem.pg]
This problem uses the same source file as number 3.

☐ Automatically render problems on page load

The file name you want for the Problems 2 and 3 are
local/ECE305_HW3_Lukic/ECE305_HW_03_Fall16_P02_Bzhong2.pg
local/ECE305_HW3_Lukic/ECE305_HW_03_Fall16_P03_Bzhong2.pg
Copy and paste these name to the source file box in the new problem set

Problems

Renumber Problems | Render All | Hide All   Display Mode: images

2 ↕
🖼 ✏ 👁
☐ Delete it?
☐ Mark Correct?
Weight [1]
Max attempts [unlimited]
Source File [local/ECE305_HW2_Lukic/ECE305_HW_02_Sum16_P02_Boxua]

3 ↕
🖼 ✏ 👁
☐ Delete it?
☐ Mark Correct?
Weight [1]
Max attempts [unlimited]
Source File [/ECE305_HW3_Lukic/ECE305_HW_03_Fall16_P02_Bzhong2.pg]

4 ↕
🖼 ✏ 👁
☐ Delete it?
☐ Mark Correct?
Weight [1]
Max attempts [unlimited]
Source File [/ECE305_HW3_Lukic/ECE305_HW_03_Fall16_P03_Bzhong2.pg]
This problem uses the same source file as number 3.

Click the box "Force problems to be numbered consecutively from one" and then click "Save Changes" at the bottom.

☐ Automatically render problems on page load
☑ Force problems to be numbered consecutively from one
☐ Add [1] blank problem template(s) to end of homework set

[Save Changes] [Reset Form] (Any unsaved changes will be lost.)

This give the three problems that you want in the new set.

You can add problems from different sets or delete problems in the same way.