

This is some quick documentation showing how I implement Just-in-Time Teaching using Canvas.

[Designing WarmUps](#)

[Module Example](#)

[Example WarmUp 'Quiz' Setup](#)

[Example WarmUp "Quiz Instructions"](#)

[Example WarmUp Questions](#)

[Viewing Submissions, Preparing for Class](#)

[Grading and Feedback for WarmUps](#)

Designing WarmUps

Here are examples from my course to show how I set up my WarmUps.

WarmUps built using the Classic Quiz tool, and are placed directly into the relevant Module.

Module Example

Module 5 - Temperaments & Tuning (~3 days)		✓	+	⋮
⋮	 Module 5 Reading	✓		⋮
⋮	 Class Meeting PowerPoint Files 	✓		⋮
⋮	 Open Student Hours (In-person, immediately after class)	✓		⋮
⋮	 Day 23 WarmUp Nov 7, 2022 5 pts	✓		⋮
⋮	 Day 24 WarmUp Nov 9, 2022 5 pts	✓		⋮
⋮	 Day 25 WarmUp Nov 14, 2022 5 pts	✓		⋮
⋮	 Homework 9 Nov 18, 2022 20 pts	✓		⋮

Example WarmUp 'Quiz' Setup

Day 23 WarmUp

Class day information: Reading and topic title.

Class Day	Reading	Topics
Day 23	9.1-9.3	Temperaments & The Circle of Fifths

This assignment is due by 10 PM the night before the relevant class.

For full credit your answers should demonstrate that you read the material and have given the question thoughtful effort. Always explain!

Each question is worth one or two points. Most answers get full credit. The most common way to lose points is

Quiz Type	Graded Survey
Points	5
Assignment Group	WarmUps
Shuffle Answers	Yes
Time Limit	No Time Limit
Multiple Attempts	Yes
Score to Keep	Latest
Attempts	Unlimited
View Responses	Always
Show Correct Answers	No
One Question at a Time	No
Anonymous Submissions	No

Due	For	Available from	Until
Nov 7, 2022 at 10pm	Everyone	Nov 5, 2022 at 12am	Nov 7, 2022 at 10:10pm

Example WarmUp “Quiz Instructions”

Quiz Instructions		
Class day information: Reading and topic title.		
Class Day	Reading	Topics
Day 23	9.1-9.3	Temperaments & The Circle of Fifths

This assignment is due by 10 PM the night before the relevant class.

For full credit your answers should demonstrate that you read the material and have given the question thoughtful effort. Always explain!

Each question is worth one or two points. Most answers get full credit. The most common way to lose points is to skip answering part of a question or to answer without explaining. You can resubmit if you want to overwrite your answers. Only your most recent submission will be graded.

Example WarmUp Questions

⋮ Difficult-Interesting	1 pts
What part of the material in the reading did you find the most confusing? Do your best to describe your confusion. If none of the material was confusing to you, what part did you find the most interesting and why? Be specific, and be sure to actually answer this question. [Note: Please do not reference any of my Warm Up questions as your source of confusion.] 	
⋮ WU-Notes to identify temperament	1 pts
Suppose I have you play with a smartphone app that lets you play notes from a single piano octave. I have programmed the app so that it produces notes according to Pythagorean Temperament, Just Temperament or Equal Temperament, but it doesn't tell you which one. The good news is that the app shows you exactly what frequency it plays when you hit a note. How many notes will you have to play (and see the frequency of) in order to figure out which temperament is being used? Explain.	
⋮ WU-Equal Temp choose all	1 pts
Choose all the statements that apply to equal temperament:	

Viewing Submissions, Preparing for Class

1. Click on the WarmUp, you should then see something like this:

Published

Preview

Edit

Day 25 WarmUp

Class day information: Reading and topic title.

Class Day	Reading	Topics
Day 25	9.4-9.8	Just, Mean-Tone & Equal Temperament

This assignment is due by 10 PM the night before the relevant class.

For full credit your answers should demonstrate that you read the material and have given the question thoughtful effort. Always explain!

Each question is worth one or two points. Most answers get full credit. The most common way to lose points is

Quiz Type Graded Survey

Points 5

Assignment Group WarmUp

Related Items

Survey Statistics

Moderate This Survey

SpeedGrader™

2. Click **Survey Statistics (above)**, which will take you to a view like this:

of Sound & M... > Quizzes > Day 25 WarmUp > Statistics

Report has never been generated.

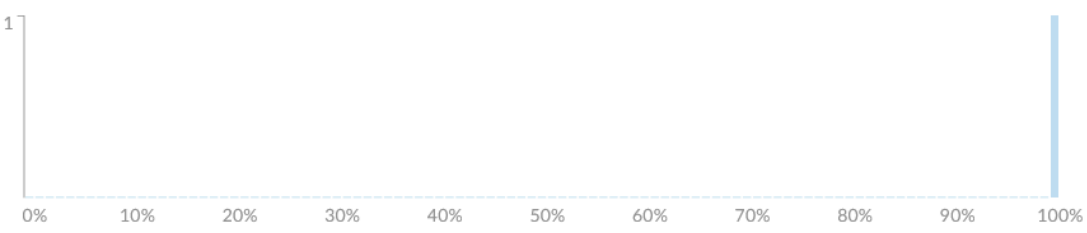
Section Filter

Student Analysis

Item Analysis

Quiz Summary

Average Score	High Score	Low Score	Standard Deviation	Average Time
98%	100%	60%	0.44	26:56



Question Breakdown

Attempts: 20 out of 20

What part of the material in the reading did you find the most confusing?
Do your best to describe your confusion. If none of the material was

Note: On this page you can directly see statistics for multiple choice, T/F and similar questions.

3. This view in Canvas does *not* let you see individual student responses. You can view those in SpeedGrader, but I find that cumbersome for JiTT purposes. Instead, click **Student Analysis (above)**, which will download an Excel spreadsheet.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	name	id	sis_id	section	section_id	section_si	submitted	attempt	6211600:		6211601:		6211611:		n correct	n incorrect	score
2				PHY-2620-	46206	202250.6	2022-11-1	1	I find the	0	You could	0	the half-si	0	2	1	5
3				PHY-2620-	46206	202250.6	2022-11-1	1	I think I ju	0	12 notes	0	the major	0	2	1	3
4				PHY-2620-	46206	202250.6	2022-11-1	1	What I fin	0	I would pl	0	the major	0	2	1	5
5				PHY-2620-	46206	202250.6	2022-11-1	1	I think I ur	0	I really ha	0	the major	0	2	1	5
6				PHY-2620-	46206	202250.6	2022-11-1	1	Seems pre	0	4 1/2 step	0	the half-si	0	2	1	5
7				PHY-2620-	46206	202250.6	2022-11-1	1	The only t	0	In order to	0	the half-si	0	2	1	5
8				PHY-2620-	46206	202250.6	2022-11-1	1	I found th	0	Honestly,	0	the half-si	0	2	1	5
9				PHY-2620-	46206	202250.6	2022-11-1	1	I it interes	0	4 I order to	0	the half-si	0	2	1	5
10				PHY-2620-	46206	202250.6	2022-11-1	1	The charts	0	12 notes n	0	the half-si	0	2	1	5
11				PHY-2620-	46206	202250.6	2022-11-1	1	The ratios	0	Id think th	0	the major	0	2	1	5
12				PHY-2620-	46206	202250.6	2022-11-1	1	It is intere	0	It could po	0	the half-si	0	2	1	5
13				PHY-2620-	46206	202250.6	2022-11-1	1	I am still t	0	You woulc	0	the half-si	0	2	1	5
14				PHY-2620-	46206	202250.6	2022-11-1	1	Having mi	0	To some e	0	the half-si	0	2	1	5
15				PHY-2620-	46206	202250.6	2022-11-1	1	What dete	0	Just two w	0	the half-si	0	2	1	5
16				PHY-2620-	46206	202250.6	2022-11-1	1	While rea	0	I am going	0	the major	0	2	1	5
17				PHY-2620-	46206	202250.6	2022-11-1	1	As I am	0	I'm guessi	0	the half-si	0	2	1	5
18				PHY-2620-	46206	202250.6	2022-11-1	1	One confu	0	The amou	0	the major	0	2	1	5
19				PHY-2620-	46206	202250.6	2022-11-1	1	It isn't nec	0	I believe y	0	each fifth	0	2	1	5
20				PHY-2620-	46206	202250.6	2022-11-1	1	I was mos	0	you woulc	0	the major	0	2	1	5
21				PHY-2620-	46206	202250.6	2022-11-1	1	I found th	0	For one w	0	the half-si	0	2	1	5

- a. Now you can see all responses to a given question in one column. (Resizing the columns and changing the text-wrap is necessary.)
- b. Responses can be copied-and-pasted from here into a presentation (or similar).

Grading and Feedback for WarmUps

Note: I don't even attempt to keep WarmUp grades current from day-to-day. Instead, I track total WarmUp scores in a separate spreadsheet and then I upload the overall WarmUp score to Canvas Grades about every 3 weeks.

Process:

- A. Open my WarmUp grading spreadsheet, with rows for students and columns for each WarmUp.
- B. Open the Student Analysis spreadsheet (shown above in #3).
- C. First, enter a full score for all students who show up in the Student Analysis (copy and paste "5" where relevant.).
- D. If any student doesn't meet my criteria for "thoughtful effort," I reduce their score in my grading spreadsheet.

I do this in parallel with reviewing student responses for use in closing the feedback loop.