

Just-in-Time Teaching (JiTT) is a pedagogical strategy that uses feedback between classroom activities and work that students do at home, in preparation for the next classroom meeting. The goals are to increase learning during classroom time, to enhance student motivation, to encourage students to prepare for class, and to allow the instructor to fine tune the classroom activities to best meet students' needs.

The JiTT assignments are designed to help students come to class prepared, engaged and motivated. The assignments accomplish this by

- helping students manage study-time
- encouraging students to study in frequent, short sessions
- encouraging students to engage in peer instruction
- helping students to connect textbook material to the real world

How it works:

Students are given questions at the end of the lecture to be answered before the next lecture begins, usually a few hours prior. The instructor reviews the answers and modifies the lecture according to what students are struggling with the most.

Example

Scientific Method, Evolution

QUESTION 1: What is the difference between a theory and a belief? You may want to look these terms up before answering. Be as specific as you can, and give an example of each.

QUESTION 2: What characteristic determines whether organisms belong to the same species? Why are, for instance, are Rottweilers, bulldogs, and poodles - phenotypically (ie physical appearance) very different - considered to be members of the same species - dogs? Why are all humans, despite our numerous phenotypic differences, considered to be one species?

QUESTION 3: What does the term Survival of the Fittest mean? How does the environment influence the survival of an organism?

So for example, if most responses to question 3, "How does the environment influence the survival of an organism?" were incorrect or not

quite correct, the instructor may wish to re-introduce the question at the next lecture and provide a more thorough explanation or engage in more class discussion on the topic.

Source: Just in Time Teaching

<http://jittdl.physics.iupui.edu/jitt/resources.html>