

2016 TA Training Week

Workshop and Discussion Schedule (1/11-1/16)

Jiangwan campus, Life Bldg.

| <u>Date, time</u> (subject to change) | <u>Segment title</u> | <u>Description</u> |
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| 1/11 <u>9A-1030A</u> B403 | Discussion: the need for education reform | This discussion will focus on the need for education reform, specifically, the need for a movement away from traditional lecture style pedagogy. This discussion will include various data from my previous education projects. |
| 1/11 <u>1030A-12P</u> B403 | Discussion: strategies for education reform | This segment will focus on active learning in the process of scientific teaching. We will discuss the many considerations involved in making more effective class activities. |
| 1/11 <u>1P-4P</u> B303 | Workshop: active learning activity design (Part 1) | Participants of this workshop will be placed into groups and tasked with designing a specific class activity using active learning and scientific teaching methodology. |
| 1/12 <u>9A-1030A</u> B303 | Workshop: active learning activity design (Part 2) | This segment will continue work from the previous workshop and give different participants and groups the opportunity to evaluate the results from other groups. |
| 1/12 <u>1030A-12P</u> B303 | Discussion: how to build assessments | This discussion will involve the design of assessment tools for measuring various student outcomes. |
| 1/12 <u>1P-4P</u> B303 | Workshop: assessment design | Participants of this workshop will again be placed into groups and tasked with designing assessment tools for the class activities they designed on the previous day. |
| 1/13 <u>9A-10A</u> B303 | Discussion: authentic research experiences | This segment will introduce the idea of authentic research experiences and the unique considerations that are involved in their design. |
| 1/13 <u>10A-12P</u> B303 | Discussion: 2015 BIOS program data | This segment will involve presentation and discussion of assessment data collected during the 2015 BIOS program. Areas of improvement will be a key aspect of this discussion. |
| 1/13 <u>1P-4P</u> B303 | Workshop: reevaluating BIOS modules | This workshop will give participants of the training series the opportunity to evaluate the BIOS modules used in the 2015 program. Where applicable, this reevaluation will result in recommendations that will be forwarded to the faculty in charge of those modules. |

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| 1/14 <u>9A-12P</u> B303 | Workshop: BIOS module assessment tools design (Part 1) | Participants will again be placed in groups and work on designing proper assessment tools for the BIOS modules that were evaluated in the previous workshop. |
| 1/14 <u>1P-4P</u> B303 | Workshop: BIOS module assessment tools design (Part 2) | Work will continue on the assessment tools design from the previous workshop. |
| 1/15 <u>9A-12P</u> B403 | Workshop: science process skills assessment design (Part 1) | The concept of a science process skill test will be discussed and participants in groups will work on independently designing their own science process skill scenarios. |
| 1/15 <u>1P-4P</u> B403 | Workshop: science process skills assessment design (Part 2) | Work from the previous workshop will continue, hopefully resulting in science process skill scenarios with appropriately designed questions. Work on these scenarios and questions will continue in following segments of the TALA training series. |