

## Seminar Objective

Faculty members will consider the high impact practice of field-based collaborative research and plan the implementation of this practice in one course that he or she will teach in the fall of 2012.

## Learning Outcomes:

- Use the arts, sciences and humanities as a forum for the study of values, ethical principles, and the physical world
- Work with teams, including those of diverse composition. Build consensus
- Show ability to contribute actively by applying knowledge to the identification and analysis of societal and professional problems to enact solutions.

## Assessment:

- Participation in the OpenLab
- Participation in group discussion during seminars
- Development of and implementation of a group project including field based collaborative research during spring 2012
- Creation of, with intention to implement, course syllabi of a second year course in fall 2012 including field based collaborative research

## Required Reading:

Bean, J. C. (2001). *Engaging ideas*. San Francisco: Jossey-Bass.

Feynman, R. (1985). *Surely you're joking Mr. Feynman!: Adventures of a curious character*. New York: W.W. norton & Company.

Kahneman, D. (2011). *Thinking, fast and slow*. New York: Farrar, Straus and Girous.

Kuh, G. (2008). *High-impact educational practices*. Washington, DC: Association of American Colleges and Universities.

Summerfield, J. (2007). The project: Common/uncommon ground. In J. Summerfield, & C. Benedicks, *Reclaiming the public university: conversations on general & liberal education* (pp. 3-30). New York: Peter Lang.

Wiggins, G. & J. McTighe (2006). *Understanding by Design*. Upper Saddle River, NJ: Pearson.

## Assignments

1. Work in teams to design a research experience for the seminar fellows (see page 4).
2. Develop and present a field based collaborative research project to be implemented into a fall 2012 second year course (see page 5).
3. Suggested:
  - a. Present at the Faculty Research Conference at City Tech
  - b. Present at the Cue Conference, College of Staten Island

**Meeting Schedule:** Meetings will be held in Faculty Commons except where noted. Meeting Times are subject to change with advanced notification.

### 1.27.12, 9:00am-2:00pm Introduction

- Discussion of the Title V Grant, a Living Laboratory, and the role of the Second Year Fellows (SYF)
- Introduction of Seminar projects
- Group Activity

**Required Reading:** Feynman, 1 article chosen from Bibliography

*2.3.12, 9:15am-2:00pm, (Meet in A632, Faculty Lounge) (Bring Bag Lunch)*

### General Education Meeting/Group Discussion

- Introduction to, group discussion of and activity with the City Tech General Education Committee
- Introduction to available resources for field based collaborative research
- Coordination of teams for Seminar projects, faculty groups will begin planning of research experiences

**Guest Lecturers:** Bonne August, Anne Leonard, Richard Hanley and Mark Hellerman,

**Required Reading:**

- Bean, chapters 2 & 7
- Wiggins & McTighe, review book to become familiar with content

*2.10.12, 12:00pm-3:00pm (Bring Bag Lunch)*

### Assessment Strategies, lead by members of AIR

- Introduction to Assessment and Institutional Research (AIR)
- Small group consultation with AIR

**Guest Lecturer:** Tammie Cummings

**Required Reading:**

- Bean, chapters 6 & 9
- Wiggins & McTighe, Reading TBD

### 2.17.12 Independent Study

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**2.24.12, 9:15am-2:00pm, (Meet in A632, Faculty Lounge)**

**High Impact Practices/ Group Discussion**

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**Guest Lecturers:**

- Monica Devanas: “High Impact Strategies to Engage Students in Effective Learning”
- Judith Summerfield: “The General Education Project”

**Required Reading:**

- Kuh, PDF on OpenLab site
- Summerfield, PDF on OpenLab site
- Wiggins & McTighe, Reading TBD

**3.2.12, 9:30-2 (Meet in Atrium Amphitheater)**

**Assessment Seminar/ Committee Group Work**

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Rough draft of syllabus due

**Required Reading:**

- Bean, chapter 15
- Kahneman, review book to become familiar with parts 1 & 2

**3.9.12 Independent Study**

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**3.16.12 Group 1 Seminar (Readings and Location TBD by group)**

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**3.23.12 Group 2 Seminar (Reading and Location TBD by group)**

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**3.30.12 Independent Study – Note: City Tech Faculty Research Conference today**

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**4.20.12 Group 3 Seminar (Reading and Location TBD by group)**

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**4.27.12 Group 4 Seminar (Reading and Location TBD by group)**

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**5.4.12 Independent Study**

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**5.11.12, 9:30am-5:00pm General Education Conference, College of Staten Island, CUNY**

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**5.18.12, 9:30am-1:00pm (Location TBD)**

**Presentations of field based collaborative research project  
to be implemented into second year, fall 2012 course(s)**

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## Detailed Description of Seminar Group Project:

**Task:** Each participant, working in one of four groups of faculty, will design a field-based collaborative research experience for all of the seminar fellows that will take place during one seminar session. Each group will use the following “seminar learning outcomes” plus one from the list of “group specific learning outcomes”:

***Seminar Learning Outcome*** (used as a common outcome for all the groups):

- *Use the arts, sciences and humanities as a forum for the study of values, ethical principles, and the physical world*
- *Work with teams, including those of diverse composition. Build consensus*
- *Show ability to contribute actively by applying knowledge to the identification and analysis of societal and professional problems to enact solutions.*

***Group Specific Learning Outcomes*** (Faculty will choose one of the following outcomes and work in a group to create a project):

*Group 1:* *Demonstrate an ability to recognize and interpret multiple forms of evidence (visual, oral, statistical, artifacts from material culture).*

*Group 2:* *Make observations, understand the fundamental elements of experiment design, generate and analyze data using appropriate quantitative tools, use abstract reasoning to interpret the data and formulae, and test hypotheses with scientific rigor.*

*Group 3:* *Attain competency in the gathering and critical analysis of information, using such techniques as interviewing, observation and researching primary and secondary sources.*

*Group 4:* *Assess the values and perspectives of diverse individuals, communities, and cultures and their influence on health behaviors, choices, and practices.*

**Audience:** Second Year Fellows and Living Lab Team

**Format:**

- Include exposure to at least one institution outside of City Tech (see possible resources on OpenLab).
- Create and use an OpenLab project as a collaborative workspace to plan and implement the activity.
- Use at least one teaching technique from Bean’s *Engaging Ideas*.
- Work with the office of Assessment and Institutional Research (AIR) to include an assessment measure into the activity.

**Assessment:**

- Participation in the OpenLab
- Participation in group discussion during seminars
- Development of and implementation of a group project including field based collaborative research during spring 2012

**The research experiences will take place on March 16, March 23, April 20, and April 27**

## Detailed Description of Final Presentation:

### Task:

To communicate how field based collaborative research will be included in your fall 2012 course for second year students.

### Audience:

- Second Year Fellows
- College Community
- Visitors to the Second Year Fellow OpenLab Site

### Format:

- Syllabus for a fall 2012 course for second year students including:
  - General education student learning outcomes
  - Field-based collaborative research project
  - Assessment strategies
- Prepare and present a five minute oral presentation about the use of field-based collaborative research in a fall 2012 course for second year students.
- The course syllabus will be posted to the OpenLab

### Learning Outcome:

Show ability to contribute actively by applying knowledge to the identification and analysis of societal and professional problems to enact solutions.

### Assessment:

- Participation in the OpenLab
- Creation of, with intention to implement, course syllabi of a second year course in fall 2012 including field based collaborative research