

Symposium on Tunisian Higher Education and US Institutional Engagement

Tunis, Tunisia

November 7-8th, 2012

Models of *Faculty Development* *in Learning & Teaching*

Dr. Gregory Light



Searle Center for Teaching Excellence

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Searle Center **CELEBRATING 20 YEARS** for Teaching Excellence

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Programs

- Faculty
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Calendar

[October 24, 2012 from 11:00 AM - 12:30 PM](#)
Faculty Workshop: Setting Your Students Up to Succeed: Designing a Learner-Centered Course

[October 30, 2012 from 12:00 PM - 1:30 PM](#)
Faculty Workshop: Designing a course that focuses on learning (Online workshop!)

[November 1, 2012 from 12:00 PM - 2:00 PM](#)
Graduate Workshop: Talking the Talk: Facilitating Classroom Discussion

[November 9, 2012 from 10:00 AM - 11:30 AM](#)
Faculty Workshop: Connecting with the Crowd: Lecturing Effectively in Large Classes

[more events](#)

4:37 PM 10/24/2012

- **Center established 1992 with 2 staff**
- **20 staff**
- **85 McCormick Professors**
- **145 Senior Searle Fellows**
- **197 Junior Searle Fellows**
- **70 Grad student/yr**
- **100 students/yr**

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Model of Faculty Development

Goal

1. Focus on learning

Principles

2. Teaching for learning (Quality Cycle)
3. Principles for facilitating learning

Strategy

4. Strategies for Faculty Development

1. Focus on Learning

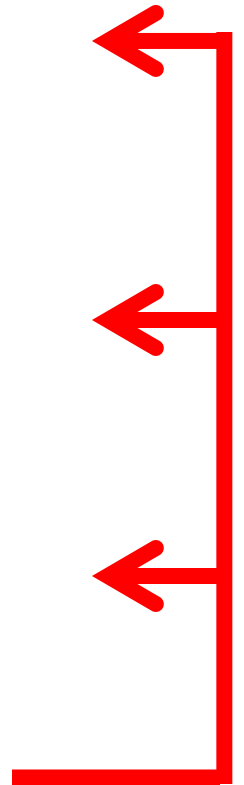
Student Approaches to Learning

	Surface	Strategic	Deep
Intention	Cope with course requirements	Achieve high grades	Understand for oneself
Process	<p>• Feeling undue pressure/worry</p>	<p>• Consistent time to studying</p> <p>• Spending time on work to meet perceived teacher preference</p>	<ul style="list-style-type: none"> • Relating ideas to previous knowledge • Looking for patterns/underlying principles • Employing critical & creative thinking • Becoming actively engaged

“Cutting Edge” Learning

2. Structuring Teaching for Learning

1. What **learning outcomes** do you want your students to achieve, (intellectual, practical, interpersonal, and personal) as a result of taking your course?
2. How will your course help your students achieve these **learning outcomes**?
3. How will you know if the students on your course have achieved these **learning outcomes**?
4. How will you know if and how your teaching has contributed to your students' **learning outcomes**?



3. Principles for facilitating Learning

Teacher

- Faculty Conceptions of Teaching: (Teacher as Master Learner in the Discipline)

Learning Environment

- Deep (*'cutting edge'*) Learning
- Problem-focused
- Peer connected
- Mentoring Rich
- Community Situated
- Research (“inquiry”) directed



4. Strategies for Faculty Development

FACULTY PROGRAMS



- The Searle Fellows Program: A multi-disciplinary, year-long program for early-career faculty.
- Monthly Faculty Workshops: Interactive sessions, grounded in scholarly research
- New Faculty Workshop: All-day interactive workshop on teaching for new faculty.

GRAD STUDENT PROGRAMS



- New TA Conference: for 300 new teaching assistants - explore strategies of good teaching in groups.
- TA Fellows Program: Outstanding TAs mentor new TAs.
- Graduate Student Workshops.
- Graduate Teaching Certificate Program: Year Long program on teaching

UNDERGRAD STUDENT PROGRAMS



- Gateway Science Workshop (GSW) program
- Science Research Workshop (SRW) program
- Academic Mentoring Program (AMP)

RESEARCH & EVALUATION

(\$10M in External funded projects)

- Enhancing Critical Thinking in STEM Disciplines: University & Community College collaboration (**NSF**).
- Evaluation of Northwestern University Ventures in Biology Education program (**HHMI**).
- CLIMB: Facilitating Diversity in Grad students in Health & Life Sciences (**NIH**).



- Undergraduate' Perceptions of Person Response Systems ("Clickers") in Calculus, Physics & Engineering.

BUILDING CAPACITY (NATIONAL & INTERNATIONAL)

1. Training the Trainers program: City Colleges of Chicago.
2. Facilitating Innovation in Teaching in Latin America: LASPAU.
3. **Creating a Learning and Teaching Center: An Najah University, Nablus. Palestinian Faculty Development Program:**

Center for Excellence in Learning & Teaching

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Newsroom

- Sun, 2012-07-08
The Center for Learning and Teaching Excellence at An-Najah (CELT) Hosts the 'Classroom beyond Borders' Initiative
 - Sat, 2012-06-02
An-Najah and Bethlehem Universities Hold the National Conference on Excellence in Learning and Higher Education
 - Thu, 2012-05-10
The Center for Excellence in Learning and Teaching Holds a Workshop on Problem Solving-Based Learning at An-Najah
- [more](#)

Announcements

- Thu, 2012-01-26
Course Development Awards
- Sun, 2012-01-15
National Conference
- Sat, 2011-12-24
Critical Thinking Workshop
- Sat, 2011-12-17
Blended Learning Workshop
- Sun, 2011-10-30
Symposium proposals on Innovations in Teaching and Learning: Second Round

Contact

Building Capacity: An Najah University

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INTERNATIONAL TEACHING FELLOWS


Dr. Baker K. Abdalrhah

Baker K. Abdalrhah received his first degree from PSUT in Jordan in 1994 and his PhD in Computer Science from the Universitat Autònoma de Barcelona (UAB), Spain in 2004. Baker is currently Assistant Professor of Computer Science at An-Najah National University, Nablus, Palestine, where he is a member of the Information Technology Faculty, and Head of the Computer Information Systems Department. Baker has published several papers in computational environment, science, and engineering, and has also conducted research on e-learning. His current research interests are computational science, heuristic optimization techniques, and simulation. He is a Teaching Fellow at the Center for Excellence in Learning and Teaching (CELT) in An-Najah National University.




Dana Adas

Dana Adas is an active Teaching Fellow at the Center for Excellence in Learning and Teaching, An-Najah National University, providing consultation to teachers from various disciplines on critical thinking and blended learning. She joined the Center in 2011. Dana holds a master's degree in applied linguistics and translation and a bachelor degree in English Literature from An-Najah University. Dana has conducted several research studies on the implementation of blended learning at An-Najah University. These include a study on students' attitudes regarding use of blended learning via the online course management system, and a study on the relationship between the frequency of students' online participation and their attitudes. A third study in an English class involved a comparison of a traditional face-to-face approach to teaching with an asynchronous approach to blended learning.




Dr. Raed Alkowni

Raed Alkowni is Associate Professor in the Department of Biology and Biotechnology - Faculty of Science at An-Najah National University. His research is on molecular virology, studying molecular variants of plant viruses, developing molecular tools, viral genome expression and bioinformatics. Beside molecular diagnosis, Dr. Alkowni is skilled in *In vitro* tissue culturing techniques, and fluent in Arabic, English, and Italian languages. Dr. Alkowni is also an Academic Assistant and Teaching Fellow at the Center for Excellence in Learning and Teaching (CELT) in An-Najah National University. Dr. Alkowni received his PhD from University of Bari, Italy, in 2001, and worked as a Postdoctoral Researcher (Junior Specialist) at University of California - Davis, USA, from 2001-2003 and 2007-2008.




Dr. Suzanne Arafat

Dr. Arafat is Assistant Professor in the Method of Teaching Department and a Teaching Fellow at the Center for Excellence in Learning and Teaching at An-Najah National University, in Palestine. She also directs the Language Arts Project at An-Najah. Dr. Arafat received her PhD in curriculum and instruction, with a focus on teaching English as a second language, at Michigan State University in 1988.




Dr. Walid Basha

Walid Basha is an Assistant Professor of microbiology and immunology in the faculty of medicine and health sciences at An-Najah National University. Beside his research interests in infectious diseases, Dr. Basha is interested in the development of problem-based learning. He is an Academic Assistant and Teaching Fellow at the Center for Excellence in Learning and Teaching (CELT) in An-Najah National University. Walid is also an environmental activist, and has pursued many projects in biodiversity studies and environmental awareness.



Dr. Abdel Karim Daragmech

Abdel Karim Daragmech received his PhD in comparative literature and literary theory from Southern Illinois University in 2005. Dr. Daragmech is currently an Assistant Professor of modern and contemporary literature at An-Najah University and is the Director of The Center for Excellence in Learning and Teaching in the new university campus. Dr. Daragmech has published work on postcolonial and minority literatures, translation studies, and blended language teaching environments.



Building Capacity: Key CELT learning and Teaching Activities

Activity	Facilitated by
Design and facilitated week long new faculty workshop	Teaching fellow team
Established Multi-Specialist Learning and Teaching Teams	6 core teaching fellows
<p>Created & facilitated five 1 day team facilitated faculty workshops</p> <ol style="list-style-type: none"> 1. Creative thinking and problem based learning: Overview, frameworks and key concepts 2. Teaching strategies and tools to encourage critical Thinking. 3. Intended Learning Outcomes (ILOs)I: Frameworks & approaches. 4. Intended Learning Outcomes (ILOs) II: Redesign for research-methods & critical thinking skills 5. Developing outlines for facilitating research skills: 	<p>Three Specialists in:</p> <ul style="list-style-type: none"> ➤ Course design ➤ Critical Thinking ➤ Problem-Based Learning

Key CELT learning and Teaching Activities

Activity	Facilitated by
<p>Created & facilitated three 2 day team facilitated workshops</p> <ol style="list-style-type: none">1. Assessing critical thinking tasks: tools for research methods courses.2. Assessment: Frameworks, rubrics, models & practices for redesign.3. E-Learning: options and practices in research training	<p>Two Specialists in:</p> <ul style="list-style-type: none">➤ Assessment➤ E-learning
<p>Consultations with faculty and program and administrative staff</p>	<p>CELT Director & six core teaching fellows</p>
<p>Organized National Conference on Excellence in Learning and Teaching with Bethlehem University Center for Teaching Excellence</p>	

Thank You

Merci

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References

Entwistle, N. (2005) Student approaches to learning, in Marton, F., Hounsell, D. & Entwistle, N. (2005). (Eds.). *The Experience of Learning: Implications for Teaching and Studying in Higher Education*. (2nd edition). Edinburgh: Scottish Academic Press.

Daragmeha, A-K., Drane, D. Light, G. (2012) Needs assessment and beyond in the setup of centers for teaching and learning excellence: An-Najah University center as a case study, *Procedia - Social and Behavioral Sciences* 47 (2012) 841 – 847.

Light, G. (2008). The puzzle of teaching in higher education: Implications for the structure of academic practice. *Ideas on Teaching (Volume 6*, pp. 25-36). Centre for Development of Teaching and Learning, National University of Singapore, Singapore.

Light, G., Cox, R., Calkins, S. (2009). *Learning and Teaching in Higher Education: The Reflective Professional*. London: Sage Publications.

Light & G. & Micari, M (2013) *Making Scientists: six principles for effective college teaching*. Cambridge. Harvard University