

2015 Tutoring Symposium

CULTIVATING STEM SUCCESS: THE MANY BRANCHES OF ACADEMIC SUPPORT

Thursday, October 22, 2015

AGENDA

8:30 a.m. – 9:30 a.m. REGISTRATION, CHECK-IN & BREAKFAST (GC 243)

9:30 a.m. – 9:45 a.m. OPENING REMARKS (GC 243)
Maria Kulick, Director
Center for Academic Success

WELCOME (GC243)
Charles K. Andrews, Assistant Vice President
Undergraduate Education

9:45 a.m. – 10:45 a.m. KEYNOTE SPEAKER (GC 243)
Saundra McGuire, Ph.D.
(Ret) Assistant Vice Chancellor & Professor of Chemistry
Director Emerita, Center for Academic Success
Louisiana State University

11:00 a.m. – 11:45 a.m. BREAK-OUT SESSIONS

Peer-Led Team Learning 101: An Introduction to a Peer Facilitation Model (GC 316)

Peer-Led Team Learning (PLTL) is an active learning paradigm, where trained undergraduates act as discussion facilitators for a small group of students during a supplementary learning workshop. This presentation will focus on introducing the essential elements of PLTL.

Jose Alberte, PLTL Program Director
College of Arts and Sciences

Motivating STEM Students: It May be Easier Than You Think (GC 243)

Motivating today's STEM students proves challenging for most faculty. The psychoacademic needs of millennial students can be met in creative ways. This session facilitates a discussion on addressing students' need for autonomy, competence, relatedness, self-esteem, and enjoyment in order to significantly increase student motivation.

Saundra McGuire
Louisiana State University

From STEM to STEAM to STREAM: Supporting the Development of Independent Learners (GL 220)

Become acquainted with seminal reading research for college level reading. Discover how the inclusion of reflective reading in the classroom can foster independent learning and promote STEM success.

Joyce Fine, Associate Professor
College of Education

Full STEAM Ahead: Collaborative and Experiential Learning in STEM Education (GC 150)

New educational theories have established that learning is an active and constructive process that is inherently social. Interaction of students working on a common problem, not only develops their collaborative and communicative skills, but also helps them to synthesize information, thus learn better. In addition, Technology Mediated Learning Environments (interacting with computer-based tools) are enhancing learning in collaborative settings by providing the ability to overlay computer information onto the real world, in real-time, shared by multiple users. This presentation will demonstrate how advanced digital media can support collaborative and experiential learning.

Shahin Vassigh, Associate Dean of Faculty Development
College of Architecture and the Arts

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12:00 p.m. – 12:45 p.m.

BREAK-OUT SESSIONS

LA's in the Classroom (GL 220)

The FIU Learning Assistant (LA) program aims to increase the use of evidence-based instructional strategies in introductory undergraduate courses. Learning Assistants are talented STEM undergraduates who, (a) facilitate student learning, (b) meet weekly with the lead faculty member of the course to plan for the upcoming week, reflect on the previous week, and analyze assessment data, and (c) attend a pedagogy course on STEM education once per week. While the LA model has demonstrated that LA-supported courses lead to better learning outcomes for enrolled students (Goertzen et al, 2011, Otero et al., 2006; Pollock, 2009), the LA model also serves as an experiential learning model for faculty members and LAs to learn about effective teaching practices. The presenter will discuss how the FIU LA Program affects IN-CLASS real-time instruction that supports all students thus leading to better learning gains and retention goals.

Hagit Leshem
STEM Institute

Taking the Fear Out of Studying for STEM (GC 316)

The Center for Academic Success (CfAS) shares data collected during the 2014-2015 academic year demonstrating a positive correlation between the passing rates of general biology students and students successfully completing a "Reading Enhancement Program." The program incorporates disciplinary reading practices with the general biology curriculum, a "gateway course." Presenters will discuss the constructs of the Reading Enhancement Program, along with the collaborations integral to its success.

Christina Taylor, Graduate Assistant
Center for Academic Success

Strategies for Effectively Mentoring 21st Century Students (GC 243)

Effective mentoring is a vital component to the undergraduate experience. It develops skills for mentoring programs in larger academic and professional settings. The presenter will discuss strategies for effective mentoring of today's students, and will contrast the behaviors of masterful vs misguided mentors. Additionally, techniques for producing proactive vs problematic proteges will be discussed.

Sandra McGuire
Louisiana State University

The Peer Educator Continuum: Learning Assistants and Tutors (GC 150)

Presenters will discuss the salient components of educating as learning assistance in comparison to educating as tutors. The presentation will cover the who, what, where, when, why and how of these peer educator roles.

Jocelyn Nardo, ASP Chemistry Tutor
Talia Kroner, ASP Chemistry Tutor
Center for Academic Success

1:00 p.m. – 2:00 p.m.

LUNCH (GC 243)

2:00 p.m. – 2:15 p.m.

CLOSING REMARKS (GC 243)

Dwight Nimblett, Associate Director
Center for Academic Success