Quantitative Reasoning (QR) Workshop

Sponsored by the SJSU QR Task Force
(Chair, Stephen Branz)

3 March 2017
Why form a QR Task Force?
(September 2016)

Sense of the Senate Resolution SS-S16-1 authorizes the AVP, GUP to “...utilize the assessment facilitators group, under the leadership of the Director of Assessment, to gather input on potential strategies to assess core competencies from a wide range of campus groups (e.g., UCCD, BOGS, Associated Students)” and further “...urges the Director of Assessment to develop a proposal to present to the Curriculum and Research Committee regarding plans for the periodic assessment of the following core competencies: Information Literacy, Written Communication, Oral Communication, Critical Thinking, and Quantitative Reasoning.”
More seriously, it is the right thing to do...

Our students need to be able to think critically and communicate effectively. QR intersects significantly with Critical Thinking (CT) and Information Literacy (IL) regarding the presentation and evaluation of quantitative information in a variety of formats, e.g., tables and graphs. Our educated graduates need to be able to evaluate and use statistical and mathematical information in many contexts and for many purposes.
...baccalaureate programs must: “ensure the development of core competencies including, but not limited to, written and oral communication, quantitative reasoning, information literacy, and critical thinking.”

[and the expectation is that the assessment be done at the graduating senior level; we are approximating by assessment in upper division coursework]
2004 – AAC&U Summer 2004 issue of Peer Review devoted exclusively to Quantitative Literacy (QL)
http://www.aacu.org/peerreview/2004/summer
2006 – SJSU ad hoc QL Committee formed; well-attended November Conference on QL (goal = Establish definitions, strategies, and activities for QL)
2007-09 – AAC&U development of VALUE Rubrics (including a rubric for QL) --
https://www.aacu.org/value/rubrics/quantitative-literacy
2013 – WASC established Core Competencies for graduating seniors, including Quantitative Reasoning (QR)


**Spring 2016** – **SJSU** hosts **CSU** Conference on QR (keynote speaker Eric Gaze: “There are three main content areas that are incorporated into the QR courses: 1. Proportional Reasoning; 2. Probability and Statistics; 3. Modeling”)[http://www.sjsu.edu/gup/symposium/index.html](http://www.sjsu.edu/gup/symposium/index.html)
QL & QR: A Short History (cont’d)
What Brings Us Here Today

Spring 2016 – SJSU Academic Senate passes SS-S16-1
Fall 2017 – SJSU QR Task Force

Welcomes You All Today!

Goals for the Workshop:
1. Learn about QR and work on definition of QR
2. Think about applicability of QR in YOUR course(s)
3. Work on QR Learning Outcomes for Area R & Area S
QR Task Force & Contact Information

Task Force Chair – Stephen Branz stephen.branz@sjsu.edu (4-2443)
College of Applied Arts and Sciences – Emily Wughalter
College of Business – David Czerwinski
College of Education – Robin Love
College of Engineering – n/a
College of Humanities and the Arts – Anand Vaidya
College of Science – Julie Sliva
College of Social Sciences – Hilary Nixon & Felipe Gómez
Director of Assessment – Chris Tseng
Chair WASC Steering Committee – Kathleen McConnell
AVP Graduate & Undergraduate Studies (GUP) – Thalia Anagnos