About Department of Math Sciences

Shuang Zhang
Head and Professor
October of 2016
Research Activities
Research Faculty Average Number of Publications

- 2001: 1.5
- 2002: 1.2
- 2003: 1.6
- 2004: 2.0
- 2005: 1.3
- 2006: 1.7
- 2007: 1.5
- 2008: 1.9
- 2009: 1.6
- 2010: 1.7
- 2011: 1.8
- 2012: 1.7
- 2013: 1.6
- 2014: 1.8
- 2015: 2.0

Bar chart showing the average number of publications per year from 2001 to 2015.
External Funding- AY2016-17

• NSF Research Grants
  • Buckingham - 2016-19
  • PeligradM - 2015-18
  • Shanmugalingam - 2015-18
  • Lim - 2014-17
  • Ding - 2015-17

• NIST Research Grant
  • Ding - 2015-18

• NSA Research Grant
  • Yizao Wang - 2015-16

• Collaborative grants/ funding with UC units or other institutions
  • Siva - coordinator for Stat Interns at CCHMC (annual)
  • Siva (Co-I, NIH, Mount Sinai) - 2014-19
  • Kang (Co-I, NASA/JPL at the California Tech Institute) - 2016
  • Kang – coordinator for STAT interns at P&G (annual)
  • WangX (CC*DNI Engineer) - 2016-17
  • Kang & WangX - NSF UCSienceNet - 2014-16
  • Hodges (NSF Directorship Buyout) - 2016-17
  • Smith (NSF Directorship buyout) - 2016-17

• Simons Foundation Research Collaboration/Travel Grants
  • Kaftal - 2012-17
  • Lorent - 2016-21
  • Siva - 2012-17
  • Weiss - 2012-17
  • ZhangB - 2011-16
  • Goldberg - 2013-18
  • ZhangS - 2013-18
  • Kang - 2014-19
  • Slavin - 2014-19
  • Xiao - 2016-21

• Conference Grants
  • NSF - Goldberg, Slavin - Ohio River Analysis Meeting (Annual)

• Total value over $1.50 million for this period (Data are from COES in the UC record).
Department Math Sciences
Number of External Grants
($7000 or more per year)
External Funding of Dept of Math Sciences
1999 – 2016 (in $$)
DATA Source: UC Online COES Reports
Number of Proposals submitted by Math Faculty
External Funding of A&S Departments

AY12, AY13, AY14, AY15, AY16

DATA Source: UC Online Reports
External Presentations – 2015

Total Number of external presentations = 119
Average of all = 3.6
Average of those who gave presentations = 4
Instruction Mission
Instructional Efficiency Ranking of A&S Departments – AY16
(Relative to Instructional Capacity)
Distribution of A&S Adjuncts, Visitors and McMicken Professors

![Diagram showing distribution of A&S Adjuncts, Visitors and McMicken Professors across various disciplines. The disciplines include Math, Women's Studies, Communication, Chemistry, Psychology, Sociology, Physics, Biology, Romance Language, Political Science, German, Geology, English, Geography, History, Classics, Anthropology, Judaic, Africana, Philosophy, and Journalism. The diagram uses different colors and bars to represent the count for each discipline in McMicken, Term Adjuncts GA's Count & Annual, Annual Adjuncts Count, and Visitors Count.]
Overview both Undergrad(Green) and Grad(red) SCH staffed by A&S departments- cumulative AY2008-15
Grad SCH = 7.5% and Undergrad = 92.5%
A&S Departments’ Instructional Capacity - AY16
Counted by Total FTEs  (Including faculty and leaves, visitors, adjuncts...)

- English
- Math
- Chemistry
- Biology
- Psychology
- Romance Language
- Communication
- Physics
- History
- Philosophy
- German
- Sociology
- Political Science
- Geology
- Geography
- Anthropology
- Classics
- Women’s Studies
- Journalism
- Africana
- Judaic

Counted by Total FTEs (Including faculty and leaves, visitors, adjuncts...)

0 50 100 150 200 250 300 350 400 450
Teaching-only Faculty’s Student Evaluation Scores 2015SS and 2015FS (Max = 5.0)
Average Teaching Evaluation Scores and Response Rates (red) of All Instructors
2015SS+15FS - max score =100
Average Teaching Evaluation Scores and Response Rates (red)
of All Faculty (TT, Educators, Rep Adjuncts)
2015SS+15FS - scaled by max =100
Cumulative SCH taught by A&S Departments AY2009-16
Overview both Undergrad (blue) and Grad (red) SCH
staffed by A&S departments
FY2008-15
Teaching credits staffed by A&S Math Sci
FY2001 - 16
Client Colleges
Undergrad SCH staffed by MATH
FY2008-15
'14-'13

PBB
Rev-Exp

Delta PBB

PBB = 2014
Graduate Program
MS Graduates – AY2008-16

[Bar chart with years FY2008 to FY2016, showing categories 'STAT', 'MATH', and 'MAT', with values for each year represented by stacked bars.]
Undergraduate Program
Undergraduate math majors and minors
2000-2016

- Certified Minors
- Certified Majors
Undergrad Majors
AY2008-16
MATH Undergrad Majors (blue), Minors (Red), MS (green), and PhD (purple)
FY2008-15
A&S Cumulative Total

Undergrad Majors (blue), Minors (red), Graduate Degrees (purple)
Conferred FY2008-16