Actuarial Mathematics

Department of Mathematical Sciences

Kent State University

August 28, 2018

Actuarial Mathematics at Kent State University



Highlights of Curriculum changes as of Fall 2018

- Requirements do not change for students on previous catalogs
- New required courses:
 - MATH 20011 Decision Making Under Uncertainty
 - MATH 31011 Proofs in Discrete Mathematics
 - MATH 32044 Ordinary Differential Equations
- Computing requirement change:
 - ► CS 10062 Programming for Problem Solving in Science OR
 - CS 13001 Comp Sci I: Programming and Problem Solving OR
 - CS 13011 & 13012 Computer Science IA & IB
- New statistics courses:
 - MATH 20011 Decision Making Under Uncertainty
 - MATH 40015 Applied Statistics
 - MATH 40024 Computational Statistics
 - MATH 40028 Statistical Learning
- For everyone (?): Allied Area Elective choices are now listed on your GPS Audit in Flashline
 - You need my approval only for courses not on this list (e.g., MATH 31011, MATH 32044 for those on old catalogs)

See your advisors each semester!

- Professional Advisor: College of Arts & Sciences
 - University and College graduation requirements
 - Can lift your pin to register for classes
- Faculty Advisor: Dr. Kracht: drkracht.youcanbook.me
 - Mathematics requirements
 - Advice on which course to take when
 - New! Can lift your pin to register for classes
- Additional advisors for other majors, minors
 - How many courses can be double-counted?

Society of Actuaries: www.soa.org

Casualty Actuarial Society: www.casact.org

Be An Actuary: beanactuary.org

We are designated UCAP-Advanced Curriculum by the SOA.

- Exam P-Probability: MATH 40011
- Exam FM-Financial Mathematics: MATH 30055
- Exam IFM-Investment and Financial Markets: MATH 40091
- Exam LTAM-Long-Term Actuarial Mathematics: MATH 40055-6
- Exam STAM–Short-Term Actuarial Mathematics
- Exam SRM-Statistics for Risk Modeling (?)
- Exam PA-Predictive Analytics (?)
- VEE* Mathematical Statistics: MATH 40012
- VEE* Economics: ECON 22060-1
- VEE* Accounting and Finance: ACCT 23020, FIN 36063

Internships: Apply in the fall for the following summer



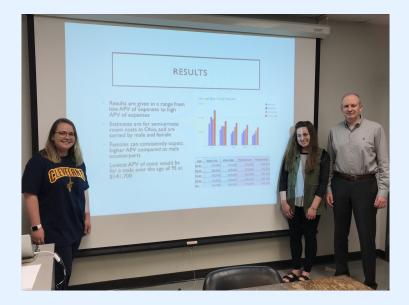
KSU Math Dept:

- Cummins Scholarship
- Bill and Linda Gainer Scholarship
- Harshbarger Scholarship
- Math Club Scholarship

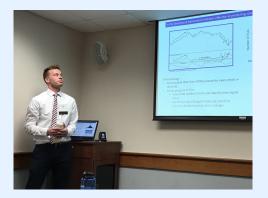
National:

- CAS Trust Scholarship: www.casact.org/trustscholarship
- International Association of Black Actuaries Scholarship: www.blackactuaries.org/page/Eligibility
- Actuarial Foundation Scholarships (several): www.actuarialfoundation.org/scholarships
- List of scholarships and links: www.beanactuary.org/how/?fa=scholarships

Independent Research Project

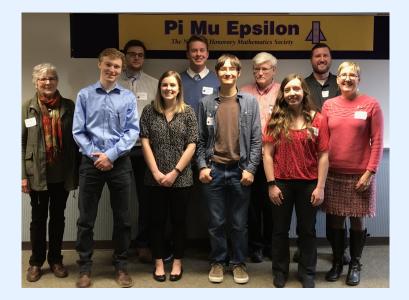


Apply in spring for summer 2019.





YSU PME Student Conference: Saturday, February 23, 2019



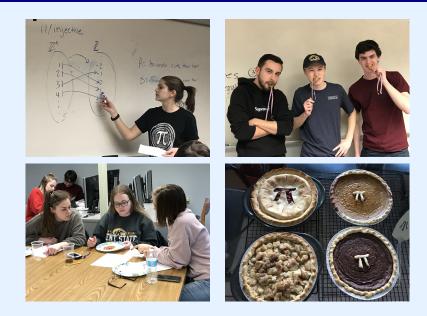
MAA MathFest: July 31-August 3, 2019, Cincinnati, OH



Math Club: Meetings 4:30–5:30 alternate Tuesdays



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Math Club



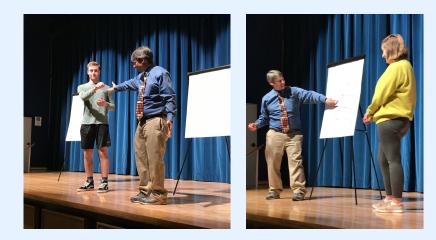
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Mathemagician Art Benjamin



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