

Paul S. Judd

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Business Address

Dept. of Actuarial Science & Risk
Management
327 Aliber Hall, Drake University
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Des Moines, IA 50311
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EMPLOYMENT

2003-current	Assoc. Professor of Actuarial Science & Statistics, Drake University, Des Moines, Iowa
2002-2003	Visiting Instructor, Drake University, Department of Mathematics and Computer Science, Des Moines, Iowa
1984-2002	Senior Actuarial Associate, The Principal Financial Group, Des Moines, Iowa
1990-1995, 1999-2002	Adjunct Instructor, Drake University, Departments of Mathematics, Statistics, Des Moines, Iowa
1982-1984	Teaching Assistant, The University of Iowa, Department of Statistics and Actuarial Science, Iowa City
1980-1982	Teaching Assistant, The University of Dayton, Mathematics Department, Dayton, Ohio

EDUCATION

1982-1984	M.S., Actuarial Science, The University of Iowa, GPA 4.0/4.0
1978-1982	B.A., Mathematics, The University of Dayton, Minor: Economics, GPA 3.9/4.0

AWARDS

College of Business and Public Administration Teacher of the
Year 2007, 2017

PROFESSIONAL MEMBERSHIPS

Associate of The Society of Actuaries
Fellow of The Life Management Institute

PROFESSIONAL COMMITTEES

Society of Actuaries Exam FM Committee Chair
Society of Actuaries Exam P Committee
Society of Actuaries Exam P Curriculum Chair

Consulting Outreach

Burns & Associates, 2011, 2012, 2015
Principal Financial Group, 2008, 2011-12, 2016-17, 2020
Society of Actuaries, 2013, 2014
ACT, 2002-2008
AP, 2014

Service

AP, 2010, 2012-2022

Other

Co-Led J-Term Study Away Class January 2019 – Chile: Land of Opportunity

REFERENCES

1. Stuart A. Klugman
Staff Fellow Society of Actuaries
Schaumburg, IL 60173
847-706-3590

2. Rahul Parsa
Sr. Lecturer of MIS
3128 Gerdin Business Building
Iowa State University
Ames, IA 50011
515-243-2593

3. Patricia Rasmussen
Project Manager, Test Development Manager
Prometric, Northland Center
3600 American Blvd. West Suite 200-B
Bloomington, MN 55431
651-603-3364

List of Classes Taught

Stat 71 - An introduction to descriptive and inferential statistics; frequency distributions; measures of central tendency and spread; confidence intervals; large and small sample tests of significance; probability; and binomial and normal distributions.

Stat 72 - Continuance of STAT 071 with further tests of significance; analysis of variance; correlation and regression; control charts; and contingency table analysis.

Acts 131 - An introduction to probability concepts, including definition of probability; independence; conditional probability; random variables; specific discrete and continuous probability distributions; multivariate random variables; moments and moment generating functions; functions of random variables; sampling distributions; and central limit theorem.

Acts 131L – A lab for Acts 131. Extra problem solving and practice.

Acts 120 - Measurement of interest; solution of interest problems; basic and general annuities; yield rates; amortization schedules and sinking funds; bonds; yield curves; duration and immunization; stochastic approaches, derivatives and their use in managing risk. (This class used to be Acts 140, a 4-credit course.)

Acts 120L – A lab for Acts 131. Extra problem solving and practice.

Acts 150 - Present value determination for life insurances and annuities; benefit premiums and reserves.

Acts 151 - Multiple life functions, multiple decrement models; applications to pension plans, insurance models including expenses.

Acts 198 – J-Term Travel Study Chile – Land of Opportunity

When Taught

	Sp '06	Fa '06	Sp '07	Fa '07	Sp '08	Fa '08	Sp '09	Fa '09	Sp '10	Fa '10	Sp '11	Fa '11	Sp '12	Fa '12	Sp '13	Fa '13	Sp '14	Fa '14
Stat 71	X	X	X	X		X				X		X		X		X	X	X
Stat 72	X	X	X	X	X		X				X		X		X		X	
Acts 131				X	X			X	X									
Acts 140	X	X	X								X	X	X					
Acts 150					X		X		X									
Acts 151						X		X		X								
Acts 120														X	X	X	X	X
Acts 120L																		X

	Sp '15	Fa '15	Sp '16	Fa '16	Sp '17	Fa '17	Sp '18	Fa '18	Sp '19	Fa '19	Sp '20	Fa '20	Sp '21	Fa '21	Sp '22	Fa '22
Stat 71		X							X	X		X	X	X	X	X
Stat 72	X															
Acts 131		X	X	X		X	X	X	X	X	X	X				X
Acts 131L								X	X	X	X	X				X
Acts 140																
Acts 150					X	X										
Acts 151																
Acts 120	X	X	X	X	X	X	X	X		X	X		X	X	X	
Acts 120L		X	X	X	X	X	X	X		X	X		X	X	X	

	Sp '23	Fa '23	Sp '24	Fa '24											
Stat 71	X	X	X	X											
Stat 72															
Acts 131	X														
Acts 131L	X														
Acts 140															
Acts 150															
Acts 151															
Acts 120		X	X	X											
Acts 120L		X	X	X											

At times, I taught two sections of some of the above courses in a semester.

I have also taught Stat 71, 72 and Acts 120 in summers.

Summary of Actuarial Work Experience

2011, 2012, 2015

Consulting - Burns and Associates

- Annual Statement audits for insurance company filings

2008, 2011-12, 2016-17

Consulting - Principal Financial Group

- Confidence Intervals applied to A/E mortality
- Created an online Actuarial Library of reference material for actuaries
- FASB New Accounting Rules Project

The Principal Financial Group

June, 1993 - August, 2002

Individual Financial Reporting

- maintain reserve systems programs
- create and test programs to reserve new products
- create reports for Statutory, Tax and GAAP reporting
- create, maintain reports for projections of financials
- PC systems and security administrator
- department budgeter
- management responsibility

April, 1988 - June, 1993

Pension Actuarial Services

- prepare pension actuarial valuations, schedule A's, schedule B's
- prepare accounting disclosure reports (FASB)
- prepare cost quotes
- first review work done by other analysts
- interpret laws and regulations and their effects (ex. OBRA '89)
- resource for unit credit type cost method valuations
- PC resource

September, 1986 - April, 1988

Actuarial - Individual

- UL pricing
- UL compliance support
- interest rate setting/pricing for individual products
- cash flow projections, asset/liability matching
- preparation of actuarial memorandums for state compliance
- miscellaneous annual statement work

June, 1984 - September, 1986

Actuarial - Pension

- prepared pension plan valuations
- assisted with asset/surplus projections
- miscellaneous annual statement work
- miscellaneous separate account work
- prepared premium tax worksheets and memos
- quarterly IGI (IQI) work
- prepared projections of statement and tax GFO
- C3 risk analysis