

Teaching: Lecture courses and Short courses

1. Tutorials and supervisions. (University of Cambridge, 1971-85).

- 1971-4 Supervision of undergraduates (all three years) in probability and mathematical statistics
1972-8 Supervision of graduate students for courses of the Diploma in Mathematical Statistics.
1975-8 Supervision of undergraduates for statistics, convex optimization, probability theory, and some analysis courses.
1979-85 Supervision of undergraduates (all three years) for probability and statistics, and of the first two years for analysis and complex variable courses.
1982-85 Supervision of 2nd. Year optimization class, and 3rd year Mathematical Economics course

2. Lecture courses: University of Cambridge, 1976-85

- 1976,77,78 Introduction to Statistics; Second-year undergraduates.
1976, 77,78 Mathematical Genetics; Diploma in Math. Stat. and Part III Maths. (joint in 1976)
1976,77,78 Advanced Principles of Statistics; Diploma in Math Stat.
1977 Multivariate Analysis (half-course); Diploma in Math Stat.
1978 Design of Experiments (half-course); Diploma in Math Stat.
1979,80,81; Statistical Theory of Communication; Final-year undergraduates.
1979,80 ,81,82 Principles of Statistics; Final-year undergraduates. (Revised syllabus from 1981)
1981,82,83 Pedigree Analysis (half-course); Diploma in Mathematical Statistics.
1981,82 Applied Multivariate Analysis; Diploma in Mathematical Statistics.
1982,83,84 Convex Optimisation; Final-year undergraduates.
1983,84,85 Advanced Principles of Statistics; see also 1976-8.
1984,85 Mathematical Genetics (new syllabus); see also 1977-8.
1984,85 Introduction to Statistics (2nd year undergraduate course)
1985 Introduction to Optimisation (2 nd. year undergraduate course)

3. Course teaching; University of Washington 1986-2022

- 1986,91 STAT 220 Win Basic Statistics (Undergraduate)
1986,87, STAT 582 Win Advanced Theory of Statistical Inference –II (PhD-level)
1986,87,88 STAT 583 Spr Advanced Theory of Statistical Inference –III (PhD-level)
1986,87 STAT 581 Fall Advanced Theory of Statistical Inference –I (PhD-level)
1986-7 STAT 599 AY Consulting; (joint teaching; throughout year)
1988 STAT 592 Spr Statistical aspects of Pedigree Analysis; 10 seminars. (New)
1988 STAT 498 Spr Statistics for graduate students in the Biological Sciences (New)
1988 STAT 516 Fall Applied Stochastic Processes—I (Graduate core)
1989 STAT 517 Win Applied Stochastic Processes—II (Graduate core)
1989 STAT593 Spr Statistics of Pedigree Analysis (10 seminars)
1989 STAT 578B Spr Probability for advanced statistics (New graduate course).
1990 STAT 498 Win Statistics for graduate students in the Biological Sciences.
1991 STAT 301 Win Introduction to Statistics, with subject-matter readings and project;
1992-3,3-4 STAT/BIOSTAT AY Jointly coordinated Statical Genetics working seminar
1993 STAT/BIOSTAT 111 Spr Coordinated 10 undergraduate lectures in Applied Statistics.
1995,6,7 STAT512 Fall Mathematical Statistics-I (MS level Theory)
1996,7,8 STAT513 Win Mathematical Statistics-II (MS level Theory)
1998-2002 BIOSTAT 580B Spr Statistical Genetics Journal Club Graduate Seminar
1998-9 MATH/STAT 394,395,396 Undergraduate Probability 3-course sequence.
1999 STAT592 Win Special Topics in Statistical Genetics (Graduate Research)
1999,2000,01 STAT/BIOSTAT 550 Fall Statistical Genetics –I (Newly developed course)
2000,01,04 ST610E Fall Statistical Genetics –I : offered as NCSU Distance Learning Course
2001 STAT 582 Win Advanced Theory of Statistical Inference –II (PhD-level)
2003,04 STAT 581 Win Advanced Theory of Statistical Inference –I (PhD-level)

2004	STAT593	Spr	Pedigree analysis: research special topics course
2004,05	BIOSTAT 580B	Win	Statistical Genetics Journal Club Graduate Seminar
2005	STAT592	Win	Mathematical Population Genetics research topics class
2005,6,7	STAT/BIOSTAT 550	Fall	Statistical Genetics –I
2006	BIOSTAT 580B	Spr	Statistical Genetics Journal Club Graduate Seminar
2006,7,8	STAT 220	Win	Introduction to Statistics (Undergraduate)
2007,08	BIOSTAT 580B	Win	Statistical Genetics Journal Club Graduate Seminar
2008-9	MATH/STAT 394-395	Fall-Win	Probability –I and II (Undergraduate introduction)
2008,9,10	STAT 550B	Spr	Statistical Genetics –I: online Distance Learning course.
2009,10	BIOSTAT 591	Win	Statistical Genetics Journal Club Graduate Seminar
2009-10	STAT 340-341	Fall-Win	Mathematical Statistics (Undergraduate Introduction)
2012,13,14	STAT/BIOSTAT 550	Fall	Statistical Genetics –I
2014	STAT 311	Fall	Elements of Statistical Methods (Undergraduate intro course)
2015,16	STAT 311	Win	Elements of Statistical Methods (Undergraduate intro course)
2015,16,18	STAT340	Fall	Probability introduction to Mathematical Statistics (Undergraduate)
2018	MATH/STAT 395-6	Win-Spr	Probability –II and III (Undergraduate)
2020,21,22	STAT/QERM 403	Spr	Introduction to Resampling Inference (Senior undergraduates)
2023	MATH/STAT 394	Win	Probability -I. (Undergraduate course)

4 Research-level short courses (mostly international)

1994 May	Monte Carlo Methods in Statistical Genetics	Wageninen Agr. Univ., Netherlands
1995 May	Genetic Epidemiology (1 of 3 instructors: 8 sessions of 1-week course)	Cancer Research Centre, Copenhagen, Denmark
1998 May	Computational approaches to likelihoods on Pedigrees. CRM workshop, Montreal, Canada	
1999 Mar	MCMC for the analysis of genetic data on pedigrees	SEMSTAT, Eindhoven, Netherlands
1999 July	Inferences from Genetic data on pedigrees	CBMS Summer Short Course, Mich. Tech. Univ
2000 Sept	Statistical Analysis of Genetic Data on Pedigrees	EU Summer Course, Pavia, Italy
2000 Oct	Genetic mapping from data on pedigrees	Jackson Labs, Bar Harbor, ME
2001 May	Statistical Analysis of Genetic Data on Pedigrees	EU Short Course, Rotterdam, Netherlands
2001 June	Statistical Analysis of Genetic Data on Pedigrees	SSC/WNAR Short course, Vancouver BC
2004 Mar	MCMC for the analysis of genetic data on pedigrees	IMS Workshop, Nat. Univ. Singapore
2005 May	Advanced Pedigree Analysis	NIHES course, Erasmus University, Rotterdam, Netherlands
2011 Feb	Identity by descent in pedigrees and populations: methods for genome-wide linkage and association,	University of New England, Armidale, Australia
2012 July	Statistical inference using identity by descent in genome association studies	Wageningen University, Netherlands
2015 May	Probability models and statistical inference procedures arising in population genetics	Vietnam National University of Science, Hanoi, Vietnam

Modules of Summer Institutes in Statistical Genetics:

2000 July	Monte Carlo Analysis of Genetic Data on Pedigrees (Joint with Shili Lin):	NCSU, Raleigh, MI
2001 June	Basics of probabilities on Pedigrees (Joint with Shili Lin)	NCSU Raleigh MI
2002 June	Inferences from genetic data in pedigrees (Joint with Shili Lin)	NCSU Raleigh MI
2003 July	Pedigree Analysis Module	Melbourne, Australia
2004 June	MCMC on Pedigrees (Joint with Shili Lin)	NCSU Raleigh MI
2006 June	Advanced Pedigree Analysis (Joint with Shili Lin)	UW, Seattle, WA
2009 June	Inference of Relationships and Relatedness (Joint with Eric Anderson)	UW, Seattle, WA
2010 June	Inference of Relationships and Relatedness (Joint with Eric Anderson)	UW, Seattle, WA
2011 July	Inference of Relationships and Relatedness (Joint with Eric Anderson)	UW, Seattle, WA
2012 June	Inference of Relationships and Relatedness (Joint with Eric Anderson)	Edinburgh, Scotland

July Inference of Relationships and Relatedness (Joint with Eric Anderson) UW, Seattle, WA