COURSE SCHEDULE

AY25-26 Fall (Semester 1)

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Morning	09:55-12:30 SIMS 1710 **Xuefeng Feng/冯学锋** 测度论与积分 Measure Theory and Integration MATH60010 09:55-12:30 SIMS 1610 **Wei-Hung Liao/廖伟宏** 黎曼几何学 Riemannian Geometry 09:55-12:30 SIMS 1610 **Vyacheslav Lysov** 热力学与统计物理 Thermodynamics and Statistical Physics MATH60078 9:30-12:30 SIMS 1210 **Christopher Brav** Introduction to derived and noncommutative geometry 09:55-12:30 SIMS 1110 **Arkadij Bojko** Symmetric functions and applications 09:55-12:30 SIMS 1310 **Georgios Limardopoulos** Mathematical methods for physicists 09:55-12:30 数学科学学院 **Huaxin Lin/林华新** 泛函分析 MATH130011	09:55-12:30 SIMS 1710 **Eran Igra** 黎曼曲面 Riemann Surfaces MATH60020 09:55-12:30 SIMS 1410 **Jiabin Du/杜佳民** 代数曲面 Algebraic Surfaces 09:55-12:30 SIMS 1510 **Valeri Sopin** 数论 Number Theory 09:00-11:30 SIMS 1410 **Yufan Luo/骆高宇** 投射有理群的上同调理论 Cohomology Theory of profinite groups 09:00-12:00 SIMS 1310 **郭南/王子隽** 大尺度几何/Large Scale Geometry II 08:55-11:30 SIMS 1210 **Chuanhuan Li/李传欢** 几何流/流形Select Topics in Geometry Flows 09:55-12:30 SIMS 1110 **Leonardo Santilli** 几何力学 Geometric Mechanics MATH60013 09:55-12:30 SIMS 1010 **Yingdi Qin/秦颖迪** Loop groups and its representations/环路群及其表示	08:00-09:40 刘晓 数学科学学院 活动分析（N） MATH300048.03 09:55-12:30 SIMS 1710 **Wenjie Ma/马文杰** 纯形理论 Introduction to Conformal Field Theory MATH60024 08:00-09:25 SIMS 1510 **Veronica Pasquarella** Fundamental Interactions 09:55-12:30 SIMS 1510 **Lucy Klinger/曹露** 金融数学：理论与从实践 Financial Mathematics: Theory and AI Applications MATH60009 08:55-11:30 SIMS 1410 **Zhao Gu/顾超** 椭圆曲线与模形式 Elliptic Curves and Modular Forms 09:55-12:30 SIMS 1110 **Bohan Yang/杨博翰** 齐性动力系统与表象理论 Homogeneous Dynamics and Diophantine Approximation 09:55-12:30 SIMS 1210 **Chengdong Yu/余成东** 黎曼曲面/Hodge theory 10:00-11:40 SIMS 1010 **程崇庆** (from week2) 常微分方程的几何理论 Geometrical Methods in the theory of ordinary differential equations 09:55-12:30 SIMS 915 **Bingjie Li/李冰杰** 生命科学数据建模与计算分析Mathematical Modeling and Computational Analysis in Life 09:30-11:30 R610 **Yi Li, Chuanhuan Li** [Seminar] Geometric Analysis Seminar	09:00-12:00 R1710 **Jixiang Fu** [Seminar] Seminar on Complex Geometry 09:55-12:30 SIMS 1610 曲面群、动力系统和拓小圆 Surface Subgroups, Dynamic Systems, and Minimal Surfaces MATH60007 09:55-12:30 SIMS 1510 **Xiaolong Han/韩晓龙** 二维共形场论Two-Dimensional Conformal Field Theory 09:55-12:30 SIMS 1410 **Shi Cheng/程实** D-膜与规范理论D-branes and gauge theories 09:00-11:35 SIMS 1310 **Xin Fu/付鑫** 环面拓扑学导论Introduction to toric topology *On site and Online* 09:55-11:35 SIMS 1010 **Yu-wei Fan/范裕维** 代数簇及其导出范畴 Algebraic varieties and their derived categories 09:55-12:30 SIMS 910 **袁洪松** 回归模型与方差分析 Regression Models and ANOVA STAT60005	11:00-12:00 R1710 **Valeri Sopin, Eran Igra** [Seminar] Dynamical Systems Seminar 09:45-12:00 R1510 **Tiexiang Li, Wen-Wei Lin, Meiyue Shao** [Seminar] Seminar on Scientific Computing 10:00-12:00 R1410 **Andrey Iosev** [Seminar] Student Seminar on Mathematical Physics 09:55-12:30 SIMS1310 **Shu-Cheng Chang/张树城** Canonical Metrics on Manifolds 09:55-12:30 SIMS1210 **Anthony Chronopoulos** 数值线性代数 Numerical Linear Algebra MATH60011 09:55-12:30 SIMS1110 **夏家福** 概率论随机课程 Probability theory tutorial course	
Afternoon	13:30-16:10 SIMS 1510 **Maurizio Romo** 结晶理论和非交换几何 Knot Theory and Non-Euclidean Geometry MATH60079 13:30-16:10 SIMS 1310 **Yehao Zhou/周业浩** 代数几何 I Algebraic Geometry I MATH60019 11:00-12:00 R1310 **Valeri Sopin, Eran Igra** [Seminar] Dynamical Systems Seminar 15:25-18:00 SIMS 1410 **Chung Pang Mok** 交换代数 Commutative Algebra MATH60005 13:30-15:10 SIMS 1210 **Mingxi Zhang/张明一** 代数（一） Algebra I MATH60016 13:30-16:10 SIMS 1010 **Hongjiang Jiang/蒋宏亮** 陈-西蒙斯理论简介 Introduction to Chern-Simons Theory 15:00-18:00 R910 **Chris Brav, Aron Heledoro** [Seminar] SIMS Seminar on Derived and Noncommutative Geometry	13:30-16:10 SIMS 1110 **Joan Emile Bourgine** 量子场论 I Quantum Field Theory I MATH60018 15:25-18:00 SIMS 1610 **Long Wang/王龙** 克雷洛纳群 Cremona Group 15:25-18:00 SIMS 1410 **Tomoki Nosaka** Quantum Mechanics 13:30-16:10 SIMS 1310 **Asad Ullah** Introduction to Smooth Ergodic Theory 14:00-17:00 SIMS 1210 **Bin Shi/史斌** 人工智能与非线性科学 Artificial Intelligence and Nonlinear Sciences 13:30-16:10 SIMS 1110 **Huyuan Chen/陈虎元** 二阶偏微分方程 Partial Differential Equations I 16:00-18:00 (fortnightly) R1010 **Jean-Emile Bourgine, Arkadij Bojko** [Seminar] Representation Theory Seminar 15:30-17:00 SIMS 810 **钟正魁** 数值线性代数辅导课程	13:30-16:10 SIMS 910 **Liangliang Shi/史良良** 深度生成模型导论 Introduction to Deep Generative Models MATH60012 16:00-18:00 R1710 **Veronica Pasquarella** [Seminar] SIMIS String Math Seminar 15:25-18:00 SIMS 1810 **Xiaolong Han/韩晓龙** 微分积分 Differential Topology MATH60006 13:30-16:10 SIMS 1510 **Anurag Rao** 活动分析 Functional Analysis MATH60014 13:30-16:10 SIMS 1410 **Hamed Adami** 广义相对论 General Relativity MATH60021 18:30-21:05 SIMS 1310 **Pengcheng Wan/万鹏程** 经典物理 Classical Physics 13:30-16:10 SIMS 1210 **Dingxin Zhang/张鼎新** 韦伊猜想-证明与应用 Weil conjectures: Proofs and Applications 14:00-15:30 SIMS 1110 **Yizhou Lu/卢一洲** 数学物理方法 Mathematical Methods for Physics 13:30-16:10 SIMS 1010 **Guoliu Ma/马国流** Calogero-Moser系统简介 Introduction of Calogero-Moser systems 13:30-16:10 SIMS 810 **Chen Sun/孙晨** 经济金融中的个体决策建模 14:00-16:00 R610 **Arkadij Bojko, Yang Zhou** [Seminar] Enumerative Geometry Seminar 14:00-16:00 R1402 **Han Liu, Zijing Wang** [Seminar] Geometric Group Theory and Index Theory Seminar	15:00-17:00 R1610 **Xiaolong Han** [Seminar] Geometry and Topology Seminar 15:00-17:00 R1510 **Hamed Adami, Yizhou Lu** [Seminar] Classical and Quantum gravity Journal club/Seminar. 16:00-17:30 R1110 **Mykola Dedushenko, Mauricio Romo, Hao Zou** [Seminar] Physical Math Seminar 14:00-16:00 R1310 **Chongqing Cheng** [Seminar] Hamilton Dynamic System Seminar 16:20-18:00 SIMS 1010 **殷曜** L-函数初探和a-Elementary Introduction to L-Functions 15:25-18:00 SIMS 1410 **Andrey Losev** 弦理论导论 Introduction to String Theory MATH60004 13:30-16:10 SIMS 1210 **林艾伟/李铁卷** 计算共轭几何改造理 Computational Conformal Geometry with Applications 16:20-18:00 SIMS 810 **张耀宸** 统计理论与方法 Statistical Theory and Methods STAT60003 14:00-17:00 SIMS 710 **Aron Heledoro** (start from week2) An Introduction to Higher Algebra	13:30-16:10 SIMS 910 **Ce Wang/王策** 应用随机过程 Applied Stochastic Processes STAT60021 15:25-18:00 **Jiangwan Campus** JA102 (Jiangwan) 量子计算的理论及软理解学：用强系统和量子电路 Floquet Physics for Quantum Computation: Two-level Systems and Quantum Circuits PHYS60014 **Miguel Tierz** (week1-week12) 量子计算的理论及软理解学：用强系统和量子电路 Floquet Physics for Quantum Computation: Two-level Systems and Quantum Circuits PHYS60014	14:30-15:30 R1410 **Huaxin Lin** [Seminar] Operator Algebras Seminar 13:30-16:10 SIMS 1110 **Zhengqing Gui/桂郑宇** 量子化和指标理论 Quantization and Index Theory MATH60008 15:25-18:00 SIMS 1110 **Yiyu Lin/林艺禹** 基础物理学导论 Introduction to Basic Physics	13:30-16:10 SIMS 1010 **Ke Xu/徐柯** 现代概率统计Morden Elementary Statistics 13:30-16:10 SIMS 910 **Yufeng Mao/毛玉丰** 大数据计量经济学 Econometrics in Data Rich Environments STAT60002 13:30-16:10 数学科学学院 **Chang You/尤畅** 统计概率 MATH130119	13:00-17:00 R1510 **Yinyu Ye, Dongdong Ge** [Seminar] Modern Optimization Theory and AI
Evening	18:30-21:05 SIMS 1510 **Hao Zou/邹豪** 李群和李代数 I Lie Groups and Lie Algebras I MATH60017	17:00-19:35 SIMS 1210 **Mykola Dedushenko** Topics in Supersymmetry				