Degree Requirements for Graduate Students of Tsinghua University

Graduate study at Tsinghua University is composed of coursework and a research project.

Doctoral programs

- **Time to degree**
  - 3-4 years with a master’s degree
  - 4-5 years without a master’s degree
  - ~3 year dissertation work
- **Coursework requirement**: Doctoral students shall earn 10 degree credits for coursework and doctoral students without a master’s degree shall earn at least 28 credits for coursework.
  - **Required courses**
    - Chinese Culture and Society 2 credits
    - Chinese Language 2 credits
  - **Other requirements**
    - Qualifying exam 1 credit
    - Literature Review and Research Proposal 1 credit
    - Seminars 2 credits

Master’s programs

- **Time to degree**
  - academic degree programs
    - 1 year coursework
    - 1-2 year thesis
  - professional degree programs
    - 1-2 year coursework
    - 1 year research project
- **Coursework requirement**: Master’s students shall earn 23 degree credits with a minimum of 17 coursework credits.
  - **Required courses**
    - Chinese Culture and Society 2 credits
    - Chinese Language 2 credits
  - **Other requirements**
    - Literature Review and Research Proposal 1 credit
    - Seminars 1 credit
Course List (Courses offered in English for graduate students)

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3. Department of Hydraulic Engineering .......................................... 5
4. Department of Environmental Science and Engineering ........... 6
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1. **Graduate Courses Taught in English in School of Architecture**

- **Course Code** 80000891  
  **Course Title** Theory and Practice of Regional Architecture  
  **Semester** Autumn  
  **Credits** 1

- **Course Code** 80000953  
  **Course Title** Space Design Studio  
  **Semester** Autumn  
  **Credits** 3

- **Course Code** 80000841  
  **Course Title** Introduction on Contemporary Urban Planning and Design  
  **Semester** Autumn  
  **Credits** 1

- **Course Code** 80000873  
  **Course Title** Urban Planning and Design Studio  
  **Semester** Autumn  
  **Credits** 3

- **Course Code** 80000993  
  **Course Title** Green Building Design Studio I  
  **Semester** Spring  
  **Credits** 3

- **Course Code** 80000861  
  **Course Title** Practice and Theory in Green Building Design  
  **Semester** Spring  
  **Credits** 1

- **Course Code** 80001003  
  **Course Title** Green Building Design Studio II  
  **Semester** Spring  
  **Credits** 3

- **Course Code** 80000901  
  **Course Title** History of Chinese Architecture  
  **Semester** Spring  
  **Credits** 1
2. Graduate Courses Taught in English in Department of Civil Engineering

【Course Code】80030332
【Course Title】Advanced Experimental Soil Mechanics
【Semester】Spring【Credits】2
3. Graduate Courses Taught in English in Department of Hydraulic Engineering

【Course Code】70040291
【Course Name】Professional English for Water and River Sciences
【Semester】Autumn【Credits】1
【Brief Introduction】

【Course Code】80040103
【Course Name】Integrated River Management
【Semester】Spring【Credits】3
【Brief Introduction】
4. Graduate Courses Taught in English in Department of Environmental Science and Engineering

【Course Code】70050323
【Course Title】Advanced Environmental Chemistry
【Semester】Spring 【Credits】3
【Brief Introduction】

【Course Code】80050233
【Course Title】Advanced wastewater treatment
【Semester】Spring 【Credits】3
【Brief Introduction】

【Course Code】80050243
【Course Title】Restoration Ecology and Applications
【Semester】Spring 【Credits】3

【Course Code】80050253
【Course Title】Global Environmental Issues
【Semester】Spring 【Credits】3
【Brief Introduction】

【Course Code】80050263
【Course Title】Hazardous Waste Disposal
【Semester】Spring 【Credits】3
【Brief Introduction】

【Course Code】70050313
【Course Title】Fundamentals of Environmental Biotechnology
【Semester】Autumn 【Credits】3

【Course Code】80050193
【Course Title】Advanced Water Distribution System and Management
【Semester】Autumn 【Credits】3
【Brief Introduction】

【Course Code】80050203
【Course Title】Advanced Water Supply engineering
【Semester】Autumn 【Credits】3
【Brief Introduction】

【Course Code】80050213
【Course Title】Environmental Management and Policy
【Semester】Autumn【Credits】3
【Course Code】80050223
【Course Title】Environmental Remote Sensing and Application
【Brief Introduction】

【Semester】Autumn【Credits】3
【Course Code】80050273
【Course Title】Integrated Solid Waste Technology
【Brief Introduction】

【Semester】Autumn【Credits】3
【Course Code】80050283
【Course Title】Air Pollution Control Technology
【Brief Introduction】

【Semester】Spring【Credits】3
【Course Code】80050333
【Course Title】Air Pollution Chemistry

【Semester】Autumn【Credits】2
【Course Code】80050322
【Course Title】Internship
【Brief Introduction】

【Semester】Spring【Credits】1
【Course Code】69990041
【Course Title】Social Practice
5. **Graduate Courses Taught in English in Department of Mechanical Engineering**

【Course Code】80120013  
【Course Title】Multi-Component Phase Equilibrium Diagram  
【Semester】Spring  
【Credits】3  
【Brief Introduction】

【Course Code】80120253  
【Course Title】Welding Technology I: Welding and Cutting Technologies  
【Semester】Spring  
【Credits】3  
【Brief Introduction】
6. Graduate Courses Taught in English in Department of Precision Instruments and Mechanology

【Course Code】80130093
【Course Title】Electromagnetic Theory of Gratings
【Semester】Spring 【Credits】3
【Brief Introduction】
7. **Graduate Courses Taught in English in Department of Thermal Engineering**

- **Course Code**: 80140012  
  **Course Title**: Reading and Writing of Technical Papers in English  
  **Semester**: Spring  
  **Credits**: 2  
  **Brief Introduction**

- **Course Code**: 80140032  
  **Course Title**: Numerical Methods in Heat Transfer  
  **Semester**: Autumn  
  **Credits**: 2  
  **Brief Introduction**

- **Course Code**: 80140012  
  **Course Title**: Introduction to Clean Energy Utilization Technology  
  **Semester**: Spring  
  **Credits**: 2  
  **Brief Introduction**

- **Course Code**: 80140222  
  **Course Title**: Renewable Energy Source and Conversion Technology  
  **Semester**: Spring  
  **Credits**: 2  
  **Brief Introduction**

- **Course Code**: 80140072  
  **Course Title**: Renewable Energy Source and Conversion Technology  
  **Semester**: Spring  
  **Credits**: 2  
  **Brief Introduction**
8. **Graduate Courses Taught in English in Department of Automotive Engineering**

【Course Code】70150113  
【Course Title】Vehicle Control Engineering  
【Semester】Autumn  
【Credits】3  
【Brief Introduction】

【Course Code】80150082  
【Course Title】Vehicle Crashworthiness and Occupant Protection  
【Semester】Autumn  
【Credits】2  
【Brief Introduction】

【Course Code】80150122  
【Course Title】Materials Selection in Mechanical Design  
【Semester】Autumn  
【Credits】2  
【Brief Introduction】

In this course, systematic selection methods of materials for a variety of structural designs will be taught. The approach is based on the concept of performance indices and materials selection charts that provide a quantitative method for the selection of materials with optimal combinations of properties. This approach, while particularly useful for mechanical designs, can also be applied to the selection of materials based on physical properties (e.g. electrical or thermal), and to the selection of methods for materials processing. The primary goal of this course will be for students to learn to identify, based on previously-defined design requirements, the basic function of an engineering object, the parameters to be optimized and the best material(s) to meet the design requirements. Students should also become aware of the breadth and range of material properties associated with different material classes, the basic processes available for processing materials and how to relate the shape of a component to its mechanical response.

【Course Code】80150152  
【Course Title】Advanced Topics in Automotive Safety  
【Semester】Spring  
【Credits】2  
【Brief Introduction】

【Course Code】70150133  
【Course Title】Fundamentals of Lightweight Design  
【Semester】Autumn  
【Credits】3  
【Brief Introduction】

【Course Code】70150143  
【Course Title】Internal Combustion Engine Fundamentals  
【Semester】Autumn  
【Credits】3
【Course Code】70150153
【Course Title】Automotive Engineering I
【Semester】Autumn【Credits】3
【Brief Introduction】

【Course Code】80150162
【Course Title】Alternative Vehicle Propulsion System
【Semester】Autumn【Credits】2
【Brief Introduction】

【Course Code】70150163
【Course Title】Mechatronic Systems in Automotive Engineering
【Semester】Spring【Credits】3
【Brief Introduction】

【Course Code】70150203
【Course Title】Internal Combustion Engines I
【Semester】Spring【Credits】3
【Brief Introduction】

【Course Code】80150173
【Course Title】Vehicle NVH
【Semester】Spring【Credits】3
【Brief Introduction】

【Course Code】70150153
【Course Title】Automotive Engineering II
【Semester】Spring【Credits】3
【Brief Introduction】

【Course Code】80150183
【Course Title】Internal Combustion Engines II
【Semester】Spring【Credits】3
【Brief Introduction】

【Course Code】80150193
【Course Title】Fundamentals of Automotive Crash Safety
【Semester】Autumn【Credits】3
【Brief Introduction】
9. Graduate Courses Taught in English in Department of Industrial Engineering

【Course Code】70160023
【Course Title】Quality Engineering
【Semester】Autumn【Credits】3
【Brief Introduction】

【Course Code】70160033
【Course Title】Production Management
【Semester】Autumn【Credits】3
【Brief Introduction】
Contents
Introduction and production system
Product and Production Engineering, Material Management, Production Plan, Production Planning, Manufacturing and Assembly Rationization
Quality, Information in Manufacturing, Production Organization, Manufacturing Cost

【Course Code】70160043
【Course Title】Ergonomics and Work Organization
【Semester】Autumn【Credits】3
【Brief Introduction】
This lecture covers the basic theory of physiology, psychology and management. It will discuss the following topics like system analysis and optimization of the relations among human, computer and environment and so on. That is to say, the working efficiency and product competition can be improved; on the other hand, the comfortable and safety working environment can be realized.

【Course Code】70160063
【Course Title】Manufacturing Technology I
【Semester】Autumn【Credits】3
【Brief Introduction】
Workpiece accuracy and measurement techniques
Principles of machining with geometrically defined/undefined cutting edges
Cutting materials and tools
Cooling lubricants
Machinability
Process monitoring of cutting processes
Preparing grinding wheels for use
Grinding using grinding wheels
Physical manufacturing processes

【Course Code】70160273
【Course Title】Welding Technology(I)
【Semester】Spring【Credits】3
【Brief Introduction】

【Course Code】80160283
【Course Title】Systematic Product Design and Development
【Semester】Autumn【Credits】3

【Course Code】70160383
【Course Title】Manufacturing Technology II
【Semester】Spring/Autumn【Credits】3
【Brief Introduction】

【Course Code】70160483
【Course Title】Production Management II
【Semester】Autumn【Credits】3
【Brief Introduction】

【Course Code】70160513
【Course Title】Introduction to Decision Making
【Semester】Autumn【Credits】3
【Brief Introduction】
Mathematisc programming methods:
1.Linear Programming
a)Fundamentals and modeling
b)Simplex method
c)Duality and sensitivity analysis
2.Transportation and assignment problems
3.Network optimization models
4.Dynamic programming
5.Integer programming basics
6.Nonlinear programming basics
7.Decision analysis
Probability and statistics:
1.Introduction to probability theory
a)Fundamentals and concepts
b)Conditional probability
2. Random Variables
   a) Distributions
   b) Expectation and variance
   c) Common distributions
3. Sampling and estimation
   a) Common statistics
   b) Confidence intervals
   c) Hypothesis tests

【Course Code】80160033
【Course Title】Enterprise Integration
【Semester】Spring【Credits】3
【Brief Introduction】

【Course Code】70160263
【Course Title】Applied Statistics
【Semester】Autumn【Credits】3
【Brief Introduction】

【Course Code】70160533
【Course Title】Introduction to Engineering Management
【Semester】Autumn【Credits】3
【Brief Introduction】

【Course Code】80160223
【Course Title】Logistics and Supply Chain Management
【Semester】Spring【Credits】3
【Brief Introduction】
Develop a knowledge and understanding of the issues and technologies underlying supply chain management with a focus on analysis and design skills for Logistics systems, including demand management, inventory management, logistics network design, supply chain risk, etc.

【Course Code】80160293
【Course Title】Globle Manufacturing Strategy
【Semester】Spring【Credits】3
【Brief Introduction】

【Course Code】80160303
【Course Title】Manufacturing Engineering
【Semester】Spring【Credits】3
【Brief Introduction】
10. Graduate Courses Taught in English in Department of Electronic Engineering

【Course Code】80230142  
【Course Title】Radio Wave Propagation  
【Semester】Spring【Credits】2  
【Brief Introduction】
11. Graduate Courses Taught in English in Department of Computer Science and Technology

【Course Code】70240063
【Course Title】Distributed Database Systems
【Semester】Autumn【Credits】3

【Brief Introduction】
This course consists of two parts: (1) Theoretical study of distributed database systems. It covers the core of principles of distributed database management systems, including database design, architecture of Distributed Database Management System (DDBMS), concurrency control, distributed transaction management, and recovery. This part also gives an overview introduction to parallel database systems. (2) Experimental DDBMS. In this part, students are organized in teams to design and implement a mini-DDBMS with distributed SQL query processing and optimization capacities in network environment. The system is subject to the benchmark testing of the course.

【Course Code】70240383
【Course Title】Combinatorics and Algorithms Design
【Semester】Autumn【Credits】3

【Brief Introduction】

【Course Code】70240373
【Course Title】Object-Oriented Software Development Technology
【Semester】Autumn【Credits】3

【Brief Introduction】

【Course Code】80240573
【Course Title】Web Information Retrieval
【Semester】Spring【Credits】3

【Brief Introduction】

【Course Code】80240563
【Course Title】Future Internet
【Semester】Spring【Credits】3

【Brief Introduction】

【Course Code】80240533
【Course Title】Human Computer Interaction Technologies
【Semester】Spring【Credits】3

【Brief Introduction】
【Course Code】80240553
【Course Title】Topics in Advanced Multimedia Technologies
【Semester】Autumn【Credits】3
【Brief Introduction】

【Course Code】80240583
【Course Title】Database Technology
【Semester】Spring【Credits】3
【Brief Introduction】
12. Graduate Courses Taught in English in Department of Automation

【Course Code】60250101
【Course Title】How to Report Research Results in English and the Related Issues
【Semester】Autumn 【Credits】1
【Brief Introduction】

【Course Code】90250072
【Course Title】Network Security
【Semester】Autumn 【Credits】2
【Brief Introduction】

【Course Code】80250792
【Course Title】Advanced Computing Technologies and Applications
【Semester】Autumn 【Credits】2
【Brief Introduction】In 21st century, new challenges in science, research, education and engineering are becoming more and more complicated. Traditional analytical and experimental methods can no longer meet requirements of large scale science exploring and engineering problems. Computation is considered to be the third dimension of science and research and many questions are only now coming within our ability to answer because of advances in computing and related information technology. The course is focused on several typical advanced computing technologies, e.g. cluster computing, grid computing and services computing, from perspectives of theories, methods, tools and applications. The course encourages interactions, demonstration, discussion and experiments and allows a deeper understanding of theories and methods of advanced computing via hand-on experiences of corresponding software toolkits. A better understanding of features and trends of advanced computing is expected via discussion and interactions among students. The course finally aims to improve students with higher creativity, problem-solving ability and software application skills.

【Course Code】90250052
【Course Title】Performance Evaluation and Optimization of Complex Systems
【Semester】Autumn 【Credits】2
【Brief Introduction】The modern world is increasingly populated by complex human made systems ranging from manufacturing plants, communication networks, traffic and logistic systems, electric power grids to C4I military systems. Performance analysis of such systems is time consuming, and designing them for better performance or optimization is even more burdensome. This course will examine the modeling and simulation of such systems and discuss the limitation as well as promising tools for dealing with such systems. The course will involve active participation and learning
by attendees.
13. Graduate Courses Taught in English in Department of Microelectronics and Nanoelectronics

【Course Code】80260042
【Course Title】PLL Design and Clock/Frequency Generation
【Semester】Spring【Credits】2
【Brief Introduction】
This course gives insights into phase-locked clock generation as well as the ability of gaining system perspectives and circuit design aspects of phase-locked loop (PLL) for wireless and wireline communications. In the first half of the course, basic theoretical analysis of the PLL and system/circuit design considerations will be discussed. The second half of the course consists of extensive lectures covering practical design aspects in various PLL applications and more advanced topics; frequency synthesis, clock-and-data recovery, delay-locked loops, on-chip testability and compensation, coupling in SoC design, and future challenges.
14. Graduate Courses Taught in English in Department of Chemical Engineering

【Course Code】80340112  
【Course Title】Surface Science and Heterogeneous Catalysis  
【Semester】Spring  
【Credits】2  
【Brief Introduction】Solid-State Chemistry and Surface Chemistry of Catalysts; Fundamental Catalysis: Bonding and Elementary Steps in Catalysis; Characterizing Catalysts and Their Surfaces; Poisoning, Promotion, Deactivation and Selectivity of Catalysts; ……

【Course Code】80340172  
【Course Title】Chemical Kinetics and Reaction Mechanisms  
【Semester】Autumn  
【Credits】2  
【Brief Introduction】1. Basic Concepts of Kinetics  
Definition of the Rate, Order and Molecularity, Elementary Reaction Rate Laws  
Determination of Reaction Order, Temperature Dependence of Rate Constants  
Stoichiometry Equations and Reaction Mechanisms  
Transition State Theory and Microscopic Reversibility  
2. Complex Reactions  
Exact Analytic Solutions for Complex Reactions  
Approximation Methods: The Steady-State Approximation, Rate Controlling Step, Lumping  
Examples: Chain Reactions and Catalyzed Reactions  
Deconvolution (Matrix) Methods  
Stochastic Method  
3. Characterizing Reactions and Mechanisms  
Techniques for Kinetic Measurements, Treatment of Kinetic Measurements  
Identification of the Intermediate  
Equivalent Kinetic Expressions, Kinetically Indistinguishable Schemes  
Numerical Simulations  
4. Reactions in Solution  
General Properties of Reactions in Solutions  
Diffusion-Limited Rate Constants, Slow reactions  
Effect of Ionic Strength on Reactions between Ions  
Linear Free-Energy Relationships  
5. Catalysis  
Adsorption and Desorption  
Heterogeneous Catalysis and Gas-Surface Reactions  
Simultaneous Reaction and Diffusion  
Autocatalysis and Oscillating Reactions
15. Graduate Courses Taught in English in Department of Mathematical Sciences

【Course Code】80420074  
【Course Title】Stochastic Process  
【Semester】Spring  
【Credits】4  
【Brief Introduction】

【Course Code】70420054  
【Course Title】Dynamic System  
【Semester】Spring  
【Credits】4  
【Brief Introduction】

【Course Code】90420093  
【Course Title】Harmonic Analysis  
【Semester】Spring  
【Credits】3  
【Brief Introduction】

【Course Code】60420254  
【Course Title】Numerical Analysis  
【Semester】Autumn  
【Credits】4  
【Brief Introduction】
16. **Graduate Courses Taught in English in School of Economics and Management**

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<th>Course Title</th>
<th>Semester</th>
<th>Credits</th>
</tr>
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<tr>
<td>80512102</td>
<td>Seminar on Advanced Operation Topics</td>
<td>Spring</td>
<td>2</td>
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<tr>
<td>90510113</td>
<td>Seminar on Accounting Theory</td>
<td>Spring</td>
<td>3</td>
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<td>80512073</td>
<td>Financial Statements Analysis</td>
<td>Spring</td>
<td>3</td>
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<td>80512163</td>
<td>Derivative Securities</td>
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<td>80513563</td>
<td>Dond Market</td>
<td>Spring</td>
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<td>70510143</td>
<td>Financial Economics</td>
<td>Autumn</td>
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<tr>
<td>80511533</td>
<td>Advanced Corporate Finance</td>
<td>Spring</td>
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<tr>
<td>90510063</td>
<td>Advanced Macroeconomics II</td>
<td>Autumn</td>
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<td>90510053</td>
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<td>Course Title</td>
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<tr>
<td>Advanced Micro-Economics (I)</td>
<td>Autumn</td>
<td>3</td>
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<tr>
<td>Decentralized Control and Coordinating of Supply Chains</td>
<td>Spring</td>
<td>3</td>
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<tr>
<td>Compensation and Motivation</td>
<td>Spring</td>
<td>2</td>
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<tr>
<td>Seminar on Accounting Theory</td>
<td>Spring</td>
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<tr>
<td>Special Subject of Management</td>
<td>Spring</td>
<td>2</td>
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<tr>
<td>Marketing Research</td>
<td>Autumn</td>
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<tr>
<td>Study on Experimental Accounting</td>
<td>Autumn</td>
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<tr>
<td>Service Marketing</td>
<td>Autumn</td>
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<td>Monetary Economics</td>
<td>Autumn</td>
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</tbody>
</table>
【Course Code】90510363
【Course Title】International Economics II
【Semester】Autumn【Credits】3
【Brief Introduction】
17. Graduate Courses Taught in English in EMBA, School of Economics and Management

【Course Code】80513541
【Course Title】Macroeconomics
【Semester】Autumn【Credits】1
【Brief Introduction】

【Course Code】70510671
【Course Title】International Economics
【Semester】Spring【Credits】1
【Brief Introduction】

【Course Code】70510751
【Course Title】Negotiation
【Semester】Spring【Credits】1
【Brief Introduction】

【Course Code】70510012
【Course Title】Organizational Behavior
【Semester】Autumn【Credits】2
【Brief Introduction】

【Course Code】80512552
【Course Title】Strategy
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】80513531
【Course Title】Microeconomics
【Semester】Autumn【Credits】1
【Brief Introduction】

【Course Code】80513511
【Course Title】Management Simulation
【Semester】Autumn【Credits】1
【Brief Introduction】

【Course Code】80513521
【Course Title】Financial Accounting
【Semester】Autumn【Credits】1
【Brief Introduction】
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
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18. Graduate Courses Taught in English in MBA Education Center, School of Economics and Management

【Course Code】70510012
【Course Title】Organizational Behavior
【Semester】Autumn【Credits】2
【Brief Introduction】

【Course Code】70510853
【Course Title】China's Institutional Environment
【Semester】Autumn【Credits】3

【Course Code】70510903
【Course Title】Corporate Finance
【Semester】Spring【Credits】3
【Brief Introduction】

【Course Code】80511503
【Course Title】Marketing
【Semester】Autumn【Credits】3
【Brief Introduction】

【Course Code】80511602
【Course Title】Business Law
【Semester】Autumn【Credits】2
【Brief Introduction】

【Course Code】80512552
【Course Title】Strategic Management
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】80512702
【Course Title】Operations Management
【Semester】Spring【Credits】2

【Course Code】70510823
【Course Title】Management Innovation in the Information Era
【Semester】Autumn【Credits】3
【Brief Introduction】

【Course Code】80514193
【Course Title】Business Plan and Design
【Course Code】80514213
【Course Title】Management Consulting
【Semester】Spring【Credits】3
【Brief Introduction】

【Course Code】70510133
【Course Title】Managerial Economics
【Semester】Autumn【Credits】3
【Brief Introduction】

【Course Code】70510732
【Course Title】Leadership Development Process
【Semester】Autumn【Credits】2
【Brief Introduction】

【Course Code】70510773
【Course Title】Data, Models and Decisions
【Semester】Autumn【Credits】3

【Course Code】80510193
【Course Title】Accounting
【Semester】Spring【Credits】3
【Brief Introduction】

【Course Code】80511422
【Course Title】Managerial Communication
【Semester】Autumn【Credits】2
【Brief Introduction】

【Course Code】80513912
【Course Title】Management Thinking
【Semester】Autumn【Credits】2
【Brief Introduction】

【Course Code】80510312
【Course Title】Managerial Economics
【Semester】Autumn【Credits】2
【Brief Introduction】

【Course Code】80510742
【Course Title】Entrepreneurial Management
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】80511002
【Course Title】Corporate Organization and Management
【Semester】Autumn【Credits】2

【Course Code】80511112
【Course Title】International Enterprises Management (MBA)
【Semester】Autumn【Credits】2
【Brief Introduction】

【Course Code】80511541
【Course Title】Practical Strategic Management
【Semester】Spring【Credits】1
【Brief Introduction】

【Course Code】80512073
【Course Title】Business Analysis Using Financial Statements
【Semester】Spring【Credits】3
【Brief Introduction】

【Course Code】80513671
【Course Title】Global Business Perspective
【Semester】Autumn【Credits】1
【Brief Introduction】

【Course Code】80513702
【Course Title】Applied Learning Program
【Semester】Autumn【Credits】2

【Course Code】80513712
【Course Title】Doing Business in America: The U.S. Political, Regulatory, and Cultural Environment
【Semester】Autumn【Credits】2
【Brief Introduction】

【Course Code】80514052
【Course Title】Introduction to Value Investing
【Semester】Autumn【Credits】2
【Brief Introduction】

【Course Code】80514142
【Course Title】China Lab
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】80514203
【Course Title】Information Systems Project Management
【Semester】Spring【Credits】3

【Course Code】70510243
【Course Title】International Finance
【Semester】Spring【Credits】3
【Brief Introduction】

【Course Code】70510312
【Course Title】International Economics
【Semester】Autumn【Credits】2
【Brief Introduction】

【Course Code】80510363
【Course Title】Principle of Financial Engineering
【Semester】Autumn【Credits】3
【Brief Introduction】

【Course Code】80510652
【Course Title】International Marketing
【Semester】Autumn【Credits】2
【Brief Introduction】

【Course Code】80510922
【Course Title】International Business
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】80511192
【Course Title】Supply Chain Management
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】80511392
【Course Title】Operations Strategy
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】80511822
【Course Title】Service Marketing
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【Course Code】80513922
【Course Title】Microeconomics of Competitiveness
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】80510862
【Course Title】Consumer Behavior
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】80510882
【Course Title】Advertising Management
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】80510872
【Course Title】Marketing Research
【Semester】Autumn【Credits】2
【Brief Introduction】

【Course Code】80514451
【Course Title】Analysis of “Pillar Industries” --Section One : BMW and the World Auto Industry
【Semester】Autumn【Credits】2
19. **Graduate Courses Taught in English in School of Public Policy and Management**

- **Course Code**: 70590013  
**Course Title**: Public Policy Analysis  
**Semester**: Spring  
**Credits**: 3  
**Brief Introduction**

- **Course Code**: 70590583  
**Course Title**: Public Organization and Management  
**Semester**: Spring  
**Credits**: 3  
**Brief Introduction**

This course aims to introduce to the students the major concepts, theories and practices of contemporary public management. It will also help students access and understand the practices of Chinese public administration in the reform era. To achieve this end, instructor will adopt various teaching methods, including lecturing, case discussion, group presentations and on-site visits. Students are expected to actively participate in the teaching process and contribute to the classroom discussion.

- **Course Code**: 70590593  
**Course Title**: Analytic Methods for Public Administration  
**Semester**: Spring  
**Credits**: 3  
**Brief Introduction**


- **Course Code**: 80590173  
**Course Title**: Comparative Politics and Government  
**Semester**: Autumn  
**Credits**: 3  
**Brief Introduction**

- **Course Code**: 80590203  
**Course Title**: International Political Economy  
**Semester**: Spring  
**Credits**: 3  
**Brief Introduction**

- **Course Code**: 80590323
China’s Foreign Strategy and Policy  
Semester: Autumn  
Credits: 3  

This course introduces to the students the evolution of development thinking and experiences since the end of the Second World War. It covers the colonial backgrounds and legacies, the development policies from 1950s to 1970s, the rise of the "Washington Consensus" in the late 1980s and the search for its alternatives from the Asian Financial Crisis in 1997 up to now. The current issues of "governance" is viewed from a historical perspective and analyzed with the aid of the latest theoretical advancement as exemplified in the World Development Report 2006 "Equity and Development".

Economic Development and Policy in China  
Semester: Spring  
Credits: 3  

Development Economics  
Semester:  
Credits: 3  

Politics and Government in China  
Semester: Spring  
Credits: 3  

【Course Code】80590693  
【Course Title】Globalization and Governance  
【Semester】Spring  
【Credits】3  
【Brief Introduction】
The course introduces students to the key dimensions of globalization relevant for public policy analysis and decision-making. It reviews the theoretical controversies developed by the academic literature on each topic, presents the relevant data available from policy think tanks and international institutions to draw a global picture, and discusses policy case-studies borrowed from a wide comparative and international background. The course aims at offering a plurality of perspectives on the context of contemporary public policy, and to develop the knowledge of practical policy making at the international, national or local levels.

【Course Code】80590703  
【Course Title】China’s Social Policy  
【Semester】Spring  
【Credits】3  
【Brief Introduction】
The content of the course is composed of four sections. The first section is an introduction to social policy as a field of study and setting up a framework for understanding. The second section covers major domains of social policy in China. The third section is devoted to a discussion of policy development processes at different levels of the government and resource allocation for policy implementation. The fourth section concludes the course with attempts to analyze some welfare programs as examples of policy analysis.

【Course Code】80590713  
【Course Title】Global Classroom: Integrated Approaches to Sustainable Development Practice  
【Semester】Autumn  
【Credits】3  
【Brief Introduction】
The course “Global Classroom: Integrated Approaches to Sustainable Development Practice” is prepared for graduate students from the programs of Master in International Development (MID) as well as International Master in Public Administration (IMPA). It includes practical lessons from an expert practitioner within the field of sustainable development, literature studies, weekly discussion sections, and necessary relevant investigations. In addition to “live” discussion sections across the network of partner Universities, local discussions will also be organized. For each student, a course paper should be submitted after all classes have been completed. Drawing from key concepts within the multi-disciplinary field of “sustainable development,” the curriculum is grounded in a practical approach that focuses on the inter-relationship of each of the following core fields of study: Agriculture and Nutrition. Economics. Environment and Climate Science. Management. Policy, Anthropology and Social Studies. Public Health.
Technology and Engineering.

【Course Code】90590023
【Course Title】Frontier on Public Policy Study-International Economy Analysis
【Semester】Autumn【Credits】3
【Brief Introduction】

【Course Code】90590613
【Course Title】Comparative Development
【Semester】Spring【Credits】3
【Brief Introduction】

【Course Code】90590023
【Course Title】Frontier on Public Policy Study-International Economy Analysis
【Semester】Autumn【Credits】3
【Brief Introduction】
20. Graduate Courses Taught in English in School of Humanities and Social Sciences

【Course Code】60610082
【Course Title】Chinese Culture and Society
【Semester】Autumn【Credits】2
【Brief Introduction】
Introduction of Chinese geography, history, economy, politics, population, nationalities, diplomacy, traditions, customs and tourism

【Course Code】70612322
【Course Title】Selected Readings of Classic IR Works in English
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】60610142
【Course Title】A Comparative Study of Chinese Culture and Society
【Semester】Spring【Credits】2
【Brief Introduction】
Lecture One: Culture and Society
Lecture Two Land and People
Lecture Three Chinese Architecture
Lecture Four Chinese Language and Literature
Lecture Five Chinese Arts: Peking Opera, Calligraphy and Painting
Lecture Six Chinese Religion
Lecture Seven Women in China and America
Lecture Eight The Youth in China and America
Lecture Nine Chinese Education
Lecture Ten China in a Cross-Cultural Communication

【Course Code】70612722
【Course Title】International and Comparative Political Economy
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】70610232
【Course Title】Beyond the Nation-State: History and Sociology
【Semester】Spring【Credits】2
【Brief Introduction】
21. Graduate Courses Taught in English in Department of Foreign Languages

【Course Code】70640132
【Course Title】Translation Studies
【Semester】Autumn【Credits】2
【Brief Introduction】

【Course Code】70640162
【Course Title】Theoretical Stylistics
【Semester】Autumn【Credits】2
【Brief Introduction】

【Course Code】70640172
【Course Title】Syntax
【Semester】Autumn【Credits】2
【Brief Introduction】

【Course Code】70640182
【Course Title】Semantics
【Semester】Autumn【Credits】2
【Brief Introduction】

【Course Code】70640252
【Course Title】Literary Criticism and Its Research Method
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】80640032
【Course Title】American Literature
【Semester】Autumn【Credits】2
【Brief Introduction】

【Course Code】80640172
【Course Title】British Literature at the era of Renaissance
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】80640182
【Course Title】Contemporary British and American Poetry
【Semester】Autumn【Credits】2
【Brief Introduction】

【Course Code】80640212
【Course Title】Literary Stylistics  
【Semester】Spring  
【Credits】2  
【Brief Introduction】

【Course Code】80640262  
【Course Title】Systemic-Functional Linguistics  
【Semester】Autumn  
【Credits】2  
【Brief Introduction】

【Course Code】80640502  
【Course Title】Western Literary Criticism  
【Semester】Spring  
【Credits】2  
【Brief Introduction】

【Course Code】60610082  
【Course Title】Chinese Culture and Society  
【Semester】Spring  
【Credits】2  
【Brief Introduction】

【Course Code】80612942  
【Course Title】Introducing comparative literature  
【Semester】Spring  
【Credits】2  
【Brief Introduction】

【Course Code】60610142  
【Course Title】The Comparative Study of Chinese Culture and Society  
【Semester】Spring  
【Credits】2  
【Brief Introduction】

【Course Code】70640052  
【Course Title】Teaching Theory and Method  
【Semester】Spring  
【Credits】2  
【Brief Introduction】

【Course Code】70640062  
【Course Title】The Research Method of Linguistics  
【Semester】Autumn  
【Credits】2  
【Brief Introduction】

【Course Code】70640312  
【Course Title】Introducing the Research Method of Social Sciences  
【Semester】Spring  
【Credits】2  
【Brief Introduction】
【Course Code】80640062
【Course Title】Discourse Analysis
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】80640072
【Course Title】Psycholinguistics
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】80640232
【Course Title】The 19th Century American Literature
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】80640242
【Course Title】The 19th Century British Literature
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】80640272
【Course Title】Language Acquisition
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】80640282
【Course Title】Transformational-Generative Grammar
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】80640482
【Course Title】Neurolinguistics
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】80640492
【Course Title】Literary Classics and Contemporary British Novels
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】80640512
【Course Title】Western Literary Criticism (2)
【Semester】Spring【Credits】2
【Brief Introduction】
【Course Code】90640032
【Course Title】The Interface Study Between Language and Literature
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】80640542
【Course Title】The Comparative Study of Chinese and English Grammar
【Semester】Autumn【Credits】2
【Brief Introduction】

【Course Code】90640072
【Course Title】Semiotics
【Semester】Autumn【Credits】2
【Brief Introduction】

【Course Code】60640012
【Course Title】Comprehensive English
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】60648003
【Course Title】Comprehensive English for Master Students of Engineering
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】60640413
【Course Title】Comprehensive English for MPA Students
【Semester】Spring【Credits】2
【Brief Introduction】
22. Graduate Courses Taught in English in School of Law

【Course Code】70660113
【Course Title】International Law
【Semester】Autumn【Credits】3
【Brief Introduction】

【Course Code】70660092
【Course Title】English(II)
【Semester】Autumn【Credits】2
【Brief Introduction】

【Course Code】70660433
【Course Title】Principles of International Economic Law
【Semester】Spring【Credits】3
【Brief Introduction】

【Course Code】80661212
【Course Title】International IP Law and Corporate IP Business Practice (2)
【Semester】Autumn【Credits】2
【Brief Introduction】

【Course Code】80660702
【Course Title】Seminar On Foreign Laws
【Semester】Autumn【Credits】2
【Brief Introduction】

【Course Code】80661452
【Course Title】Intellectual Property Laws in Certain Foreign Countries
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】80661193
【Course Title】International Intellectual Property Treaties
【Semester】Autumn【Credits】3
【Brief Introduction】

【Course Code】70660593
【Course Title】Comparative Private International Law  
【Semester】Autumn 【Credits】3  
【Brief Introduction】

【Course Code】70660613  
【Course Title】Comparative Constitutional Law Advanced Study  
【Semester】Autumn 【Credits】3  
【Brief Introduction】

【Course Code】80661202  
【Course Title】International IP Law and Corporate IP Business Practice (1)  
【Semester】Autumn 【Credits】3  
【Brief Introduction】

【Course Code】80660644  
【Course Title】Foundations of Common Law(1)  
【Semester】Spring 【Credits】4  
【Brief Introduction】

【Course Code】80660654  
【Course Title】Foundations of Common Law (2)  
【Semester】Spring 【Credits】4  
【Brief Introduction】

【Course Code】80669053  
【Course Title】Chinese Corporate and Bankruptcy Law  
【Semester】Autumn 【Credits】3  
【Brief Introduction】

【Course Code】80669013  
【Course Title】Chinese Civil Procedure  
【Semester】Autumn 【Credits】3  
【Brief Introduction】

【Course Code】80669094  
【Course Title】Chinese Civil Law  
【Semester】Spring 【Credits】4  
【Brief Introduction】

【Course Code】80669112  
【Course Title】Chinese Constitution & Administration Law  
【Semester】Autumn 【Credits】2  
【Brief Introduction】
【Course Code】80669082
【Course Title】Chinese Society and Chinese Law
【Semester】Autumn【Credits】2
【Brief Introduction】

【Course Code】80669062
【Course Title】Chinese Criminal and Criminal Procedural Law
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】80669103
【Course Title】Foreign Trade and Investment Law
【Semester】Autumn【Credits】3
【Brief Introduction】

【Course Code】80669142
【Course Title】Chinese Securities Law
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】80669072
【Course Title】Chinese Intellectual Property Law
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】80661572
【Course Title】Chinese Practice of WTO Law
【Semester】Spring【Credits】4
【Brief Introduction】

【Course Code】80669112
【Course Title】Chinese Constitution & Administration Law
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】80669042
【Course Title】Chinese Practice of International Law
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】80669022
【Course Title】Chinese Banking Law
【Semester】Spring【Credits】2
【Brief Introduction】
23. Graduate Courses Taught in English in School of Journalism and Communication

【Course Code】80670632  
【Course Title】Intercultural Communication  
【Semester】Autumn  
【Credits】2  
【Brief Introduction】

【Course Code】80670412  
【Course Title】English News Reporting and Writing  
【Semester】Autumn  
【Credits】2  
【Brief Introduction】

【Course Code】70670162  
【Course Title】Economics for Journalists  
【Semester】Autumn  
【Credits】2  
【Brief Introduction】

【Course Code】80670442  
【Course Title】English Financial News Reporting and Writing  
【Semester】Autumn  
【Credits】2  
【Brief Introduction】

【Course Code】70670112  
【Course Title】Media Research Methods  
【Semester】Autumn  
【Credits】2  
【Brief Introduction】

【Course Code】80670622  
【Course Title】Corporate Communication  
【Semester】Autumn  
【Credits】2  
【Brief Introduction】

【Course Code】80670562  
【Course Title】Accounting and Finance for Journalists  
【Semester】Spring  
【Credits】2  
【Brief Introduction】

【Course Code】80670652  
【Course Title】Hot topics in the Global Economy  
【Semester】Autumn  
【Credits】2  
【Brief Introduction】
【Course Code】80670512
【Course Title】Introduction to Mass Communications and Society in Contemporary China
【Semester】Autumn【Credits】2
【Brief Introduction】

【Course Code】80670722
【Course Title】Major Issues of Global Politics in the 21st Century
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】70670182
【Course Title】Corporate Strategies, Case Studies of Chinese and Global Companies
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】80670492
【Course Title】Advanced English Financial News Reporting and Writing
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】80670462
【Course Title】Advanced English News Reporting and Writing
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】80670572
【Course Title】Media Management
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】80670612
【Course Title】Feature Writing in English
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】80670662
【Course Title】Opinion and News Commentary
【Semester】Autumn【Credits】2
【Brief Introduction】

【Course Code】80670532
【Course Title】Ethics In Journalism
【Semester】Autumn【Credits】2
Brief Introduction

Course Code: 70670232
Course Title: Workshop on Film and TV Production
Semester: Autumn
Credits: 2

Brief Introduction

Course Code: 80670762
Course Title: English News Editing
Semester: Autumn
Credits: 2

Brief Introduction
24. Graduate Courses Taught in English in Institute for Theoretical Computer Science

【Course Code】80240434
【Course Title】Advanced theoretical computer science(1)
【Semester】Autumn【Credits】4
【Brief Introduction】

【Course Code】80240464
【Course Title】Advanced theoretical computer science(2)
【Semester】Spring【Credits】4
【Brief Introduction】

【Course Code】80240222
【Course Title】Design and Analysis of Algorithms
【Semester】Spring【Credits】2
【Brief Introduction】

【Course Code】80240233
【Course Title】Introduction the Theory of Computation
【Semester】Spring【Credits】3
【Brief Introduction】

Note: 1 credit equals 16 hours of class