

北京大学教务部 北京大学国际合作部 北京大学教师教学发展中心

Office of Educational Administration
Office of International Relations
Center for Excellent Teaching and Learning
Peking University



Website: www.oir.pku.edu.cn/goc

2023 Spring

GLOBAL OPEN COURSES

全球课堂



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for Spring 2023
2023年春季学期本科生英文授课课程目录

Course Title

Traditional Taijiquan: Philosophy and Practice

传统太极拳：哲学与实践

Instructor

ZHU Xiaomin / 朱效民

First day of classes: 2023 / 2 / 23

Last day of classes: 2023 / 6 / 8

Course Code: 02319642

Course Credit: 2

Language: English

COURSE DESCRIPTION

课程简介

Taijiquan (also called spelled tai-chi-chuan) is also known as shadowboxing. In Dec. 2020, Taijiquan was selected for inclusion on the Representative List of the Intangible Cultural Heritage of Humanity, UNESCO, which certainly will attract more and more people all over the world to recognize and enjoy Taijiquan. It is said that more than 100 million people are practicing Taijiquan frequently, and, as a result, Taijiquan has become one of the most popular sports in the world. The Chinese government has already set up more than 500 Confucius Institutes and more than 1000 Confucius Classrooms in different countries, in which Taijiquan has been taught as an outstanding representative symbol of Chinese culture. Taijiquan is even being considered for inclusion as a part of the Olympic Games.

In China, Taijiquan has also been known as ‘gentleman boxing’ or ‘philosopher boxing’, as the thinking and wisdom of Taijiquan are unique for the sports, health, and cultivation of people. However, there have been a lot of problems and distortions in the practice, teaching, international communication and research of Taijiquan because of two reasons. One reason is that traditional Taijiquan is quite conservative (historically, Taijiquan has only been passed on down through lineages), and it’s too hard to master. (Yang Luchan once said, “There are only a few real masters in every generation,” and

according to Li Yaxuan, a famous master of Yang style Taijiquan, in fact “99% of practitioners are practicing Taijiquan in the wrong way” as ordinary people don’t know it and don’t have the right feeling for traditional Taijiquan.)

The other reason is that when practicing Taijiquan, even a single movement requires integration of not only every part of your body, inside and outside the body, but also your mind, spirit and your body. Although more and more people are learning Taijiquan today, usually people are unable to recognize Taijiquan’s special thinking due to their understanding of modern science paradigms such as reductionism and atomism. It’s not strange nowadays to find that many both foreign and Chinese people often misunderstand Taijiquan as only a kind of gymnastics or dancing, according to their Western ways of thinking. And, indeed, many ideas of traditional Taijiquan cannot be understood in terms of modern philosophy, Western science or even by literal translation.

This class will focus on “how to understand traditional Taijiquan,” and both philosophical and practical perspectives will be discussed and, hopefully, experienced through your own body.

On the philosophical side, Taijiquan’s special concepts (inner *qi*, or ‘inner energy’), methods (‘if

Course Title

China and International Law

中国与国际法

Instructor

LAI Huaxia / 赖华夏

First day of classes: 2023 / 2 / 20

Last day of classes: 2023 / 6 / 5

Course Code: 02432429

Course Credit: 3

Language: English

COURSE DESCRIPTION

课程简介

Objective

The past 30 years have seen an ever-expanding engagement between China and the international legal system. The engagement goes two ways. On the one hand, China has become highly adept in addressing its external relations in international legal terms and through international legal means. China has joined almost all major international organizations in some of which China has sought to play a leadership role. On the other hand, China has been profoundly transformed by international law through compliance with international obligations and socialization with international legal norms. At the same time, international law is now being increasingly used as a foreign policy tool targeting China, as exemplified by the call to sue China over the coronavirus pandemic. In view of these developments, it is essential to understand China's approaches to international law and the implications for international law in general. How does China engage with different international legal regimes? How to assess China's compliance with international legal obligations? Is China a "revisionist" country trying to challenge the prevailing international legal order? Do China and other major powers hold fundamentally different understandings about international law?

To address these questions, the course surveys the fundamentals of international law and uses case studies in various international legal regimes to analyze the interaction between China and the international legal system. As international organizations have served as the most prominent fora for developing international law in contemporary times, the course also examines China's participation in international organizations with regards to law making and dispute settlement.

The course sits at the intersection of international law and international relations and bears three goals in mind. The primary objective is to expose students to the core concepts of international law and to help them develop familiarity with the basic vocabulary of international law as applied to international relations. Second, it aims for building a fact-based account of China's historical and present engagement with international law. Third, it strives to help the students develop the analytical tools for understanding and analyzing China's engagement with the international legal system. The course leans on empirical and historical analysis, incorporates competing perspectives, and encourages the students to critically assess the popular myths and discourses about China and international law.



Pre-requisites / Target audience

The course is meant for non-law students who are interested in China's engagement with international law and international organizations. No prior knowledge of international law is required.

Proceeding of the Course

The class meets once a week either in the classroom or virtually on Zoom/ClassIn. Students are expected to have read all the assigned readings before coming to class and to participate actively in class discussions.

Assignments (essay or other forms)

Students will develop a research proposal on any China-international law related topic and present it in class. Detailed instructions will be announced in class. At the end of the semester, students will develop their research proposals into research papers. There are no written exams for the course.

Evaluation Details

Class Participation: 20%
 Research proposal + presentation: 30% (20% for the proposal and 10% for the presentation)
 Final term paper: 50%

Text Books and Reading Materials

The course does not require any textbooks. All reading materials will be posted to the course website.

CLASS SCHEDULE

教学大纲

(Subject to adjustment)

Session 1

The Fundamentals of International Law

Description of the Session

This session surveys the core concepts of international law, such as the sources of international law, treaty making, treaty interpretation, dispute settlement, soft law, etc. The session also introduces the positivism and natural law approaches to the study of international law.

Session 2

The Fundamentals of International Organizations

Description of the Session

This session first explains how international organizations work and discusses the theoretical frameworks for understanding international organizations. It then examines the legal dimensions of international organizations, i.e., how international organizations develops hard and soft international law and the politics behind it.

Session 3

Understanding Contemporary International Legal Order

Description of the Session

This session first examines the historical Eurocentric conceptualization of international law and its critiques. It then examines the United Nations-based international legal order and its constitutive elements before comparing it to the liberal international order.

Session 4

International Law and Domestic Politics

Description of the Session

This session examines two issues. First, how does international law shape domestic politics and impact state building? Second, how does state impact international law in terms of law making, interpretation, and compliance?

Session 5

Midterm Review

Description of the Session

This session reviews the fundamentals of international law and international organization covered in the previous sessions through a number of in-class exercises that ask the students to apply the rules and theoretical frameworks to real international law problems.

Session 6

China's Historical Engagement with International Law

Description of the Session

This session studies China's historical engagement with international law from the mid 19th century to the late 1970s in the global context of colonialism, the World Wars and decolonization.

Session 7

The Rise of China and International Legal Order

Description of the Session

This session discusses the intricate relationship between the rise of China and international legal system through introducing competing perspectives and examining case studies.

Session 8

China's Engagement with International Organizations

Description of the Session

This session first surveys how China's participation in the United Nations and other major international organizations has evolved over time. After reviewing how international organizations become an essential "agora" for states to make international law, it then discusses the legal implications of China's engagement with international organizations.

Session 9

China Makes International Agreements

Description of the Session

This session examines how the domestic institutional structure in which China negotiates, concludes and ratifies international agreements.

Session 10

China and International Trade Law (I)

Description of the Session

After introducing the fundamental rules of the World Trade Organizations, this session examines China's accession to the WTO, its participation in the WTO negotiations and dispute settlement mechanism, and its positions on the WTO reform.

Session 11

China and International Trade Law (II)

Description of the Session

This session first looks into how the WTO has shaped China's domestic economy and politics. It then turns to study the recent agreed Regional Comprehensive Economic Partnership (RCEP) to illustrate China's engagement with regional trade agreement.

Session 12

The Belt & Road Initiative and International Investment law (I)

Description of the Session

This session introduces the essential rules of international investment law with emphasis on why the current dispute settlement mechanism between investors and host country governments are under great pressure to reform.

Session 13

The Belt & Road Initiative and

International Investment Law (II)

Description of the Session

This session studies the international legal framework that governs China's outward investment under the Belt & Road Initiative and highlights the legal challenges confronting Chinese investors. It then introduces China's position on the reform of international investment law regime.

Session 14

China and International Environmental Law

Description of the Session

This session examines China's engagement with international environmental law in terms of treaty negotiation and compliance with legal obligations. Special focus will be made on China's participation in the evolving global climate regime.

Session 15

Student Presentation

Description of the Session

During this session, students present their research proposals with the support of PowerPoint slides. Peer students are encouraged to raise questions and comments.

Session 16

Conclusion

Description of the Session

The last session features an open discussion where the students review and reflect on the various topics and themes covered throughout the semester.



LA I Huaxia

Dr. LAI Huaxia is Assistant Professor at Peking University School of International Studies. Trained in the dual disciplines of international law and political science, she is fluent in the methods and theories of both law and politics and specializes in international economic law and international organizations. A frequent speaker at both international law and international relations conferences home and abroad, she is currently working on projects that examine the embeddedness of politics and law at international organizations. She has published on various topics including investor-state dispute settlement, renewable energy subsidies under international trade law, and applying quantitative methods to the study of international law. She received her PhD in international law and MA in political science from University of Washington, MA in international relations from Peking University, and BA in international relations from University of International Relations (*summa cum laude*).

Course Title

International Security Studies: Perceptions and Practices of China and the World

国际安全研究

Instructor

Qi Haotian / 祁昊天

First day of classes: 2023 / 2 / 21

Last day of classes: 2023 / 6 / 6

Course Code: 02432110

Course Credit: 3

Language: English

COURSE DESCRIPTION

课程简介

Objective

This course introduces contemporary security studies with a specific focus on Chinese perspective and related actors' practices. It surveys major concepts, theories and accumulated knowledge in the area of international security. Each topic starts with an empirical and/or theoretical puzzle and/or question, explores the adequacy of the answers provided by the existing literature. The discussions extend debates and observations in both theory and practice. In addition to tackling the puzzles and questions about the nature of war, the dimensions of interstate conflicts, and military threats from non-state actors, this course explores the security environment faced by China and related regional and global actors by looking at new and rising challenges from a cross-disciplinary perspective.

Pre-requisites / Target audience

None

Proceeding of the Course

This course will be organized as a combination of lecturing and discussions. Attendance is mandatory, and the failure to attend and participate will substantially hurt your performance in the class. Active involvement in classroom is not only encouraged but required. Getting yourself used to professional and academic communications in different policy settings will be the corner stone of your academic exploration and professional pursuit.

Film Club

If there is sufficient class interest, I'd be happy to organize screenings of the relevant movies off the lectures. Novel, film, documentary, biography or any other forms of non-academic recording of security issues can serve as great entry points for us to the world of security related history, theory and practice, with concrete contextual understandings and feelings. Films such as Dr. Strangelove, the Gatekeepers, the Battle of Algiers, No Men's Land, can enrich and contribute to our collective discussion and class experiences. You are encouraged to voluntarily share movies related

Course Title

Chinese Politics and Public Policy

中国政治与公共政策

Instructor

LEI Shaohua / 雷少华

First day of classes: 2023 / 2 / 21

Last day of classes: 2023 / 6 / 6

Course Code: 02432140

Course Credit: 3

Language: English

COURSE DESCRIPTION

课程简介

This course is an introduction to undergraduate level students to explore the contemporary political system of China, with a special focus on its policy making process. The emphasis is on China's political structure, state and society relations. This course aims to provide students with a background on major political events in modern China, and then to investigate the current political issues in China today — environmental civil society activity, problems and benefits associated with continuing economic liberalization, and discourse from within the CCP on political reform.

Evaluation Details

1. Class attendance and participation (10%)

Attendance is mandatory. Regular class participation is strongly encouraged for this course. Students will be expected to have completed the week's reading assignments prior to section. Most readings will be available in the course public email box. All electronic materials will be for this course use only. Out-of-class circulation is not allowed.

2. Presentation (20%)

Students will be required to do a 15-minute presentation on selected reading assignment during the course. PowerPoint is strongly recommended. Students are also required to turn in ONE 2-page review of select reading assignment

in class individually. Before turning in the hardcopy in class, the student should circulate his or her review (presentation PowerPoint, if available) to the whole class (to the course public email) by Monday, 5 p.m.

NOTICE: A presentation MUST be finished within 30 minutes. Overtime will lose 5 points/minute.

3. Term Paper (20%)

To domestic and international regular students: Students will be required to submit a 10-page term research paper by the end of the course. Term paper should be relevant to the central theme of this course, and that should focus on one or more specific issues or topics.

To international exchange students: Students will be required to submit a 10-page reflection paper ("China through My Eyes") by the end of the course. This paper should be relevant to the central theme of this course, but no need to be too academic. Students are expected to write a paper which is based on personal experience, interview or observation in Beijing or other places in China. Any story or personal experience which may be interesting to you can be applied for your observation paper, for example, ordinary citizens quarrel with police officers.

The due date of the complete paper will be announced toward the end of the semester. Students are strongly encouraged to submit the

Course Title

Business and Society in Modern China: An Institutional Perspective

当代中国商业与社会： 制度经济学的视角

Instructor

GUO Yan / 郭研

First day of classes: 2023 / 2 / 22

Last day of classes: 2023 / 6 / 7

Course Code: 02535300

Course Credit: 2

Language: English

COURSE DESCRIPTION

课程简介

This course is designed to develop a basic understanding of the Chinese economy. Taking new institutional theory as an intellectual framework, this course aims to introduce the decisions and performance of businesses in the greater social and political contexts in which they operate.

Pre-requisites / Target audience

No pre-requisites are required. Students who have some knowledge of introductory microeconomics and macroeconomics will benefit more from this course. Students who are interested in the Chinese economy and society are welcome.

Proceeding of the Course

Lecture: Instructor will give lectures on major concepts and issues.

Discussion: TA will organize classroom discussions.

Assignments (essay or other forms)

Students are required to participate in-class discussions;

Presentation by groups;

Term report

Evaluation Details

Participation in Tutorials: 20 %

Presentation: 30 %

Course reports: 50 %

Text Books and Reading Materials

Required reading

Afridi, F., Li, S. X., & Ren, Y. (2015). *Social identity and inequality: The impact of China's hukou system*. *Journal of Public Economics*, 123, 17-29.

Cai, H., Fang, H., & Xu, L. C. Forthcoming. "Eat, Drink, Firms, Government: An Investigation of Corruption from Entertainment and Travel Costs of Chinese Firms." *Journal of Law and Economics*.

Gan, J., Guo, Y., & Xu, C. (2017). *Decentralized Privatization and Change of Control Rights in China*. *Review of Financial Studies*, 05 September 2017. <https://doi.org/10.1093/rfs/hhx100>.

Gan, J., Guo, Y. & Xu, C. (2008). *A nationwide survey of privatized firms in China*. *Seoul Journal of Economics*, 2008, v. 21 n. 2, p. 311-331.

Guo, D., Jiang, K., Kim, B. Y., & Xu, C. (2014). "Political economy of private firms in China". *Journal of Comparative Economics*, 42(2),

Course Title

Chinese Society and Business Culture

中国社会与商业文化

Instructor

LI Bobai / 李博柏

First day of classes: 2023 / 2 / 22**Last day of classes:** 2023 / 6 / 7**Course Code:** 02838130**Course Credit:** 2**Language:** English

COURSE DESCRIPTION

课程简介

Objective

This course analyzes the historical, structural, and cultural roots of China's unparalleled social and economic transformation since the early 1980s. We will identify the key features of Chinese society, analyze the fundamental differences between China and other countries, and discuss the social, economic, and cultural implications of such differences. After establishing basic analytical perspectives, we will focus on Chinese business culture and explore emerging patterns in areas, such as market ecology, labor processes, consumer behaviors, work relations, and management. We will adopt an interdisciplinary perspective and analyze Chinese society and culture using concepts and theories from various social science disciplines, such as sociology, economics, psychology, philosophy, and political science. Our purposes are to understand the unique features of Chinese society and business culture on the one hand, and to develop a broad theoretical perspective for cross-cultural analyses on the other. Therefore, this class can be conceived as a general social science course with an empirical emphasis on China.

Pre-requisites / Target audience

None/Any student who is interested in understanding cross-national social and cultural differences.

Proceeding of the Course

Given the nature of the course, there will be minimum amount of reading materials. Instead, we will rely heavily on real world issues and phenomena to guide our discussion. Each class will begin with one or two important empirical issues or phenomena and move on to analyze their social and cultural logic. Students are required to draw on their direct observations, to compare to their experiences in other countries, and thus to understand cross-cultural similarities and differences. Before class, students are required to gather necessary information about the topic, compare it to the closest phenomena in other countries, and prepare for class discussion. A typical class will be organized into two parts: 1) class presentation and class discussion of selected issues; and 2) lecture on background, key concepts

课程名称

中国古代史 B

Ancient Chinese History
(level 2)
(for international students)

授课教师：毛亦可

课程开始日期 2023 年 2 月 20 日

课程结束日期 2023 年 6 月 7 日

课程编号 02180012

课程学分 4

授课语言 中文

先修课程 无

COURSE DESCRIPTION

课程简介

本课将通过较为系统的讲授，帮助同学把握中国古代隋朝至鸦片战争 1200 余年间的的基本变迁线索和重大问题，以及这段时期政治、经济、制度、文化、民族等方面的必要历史知识；帮助学生学习中国历史研究的基本方法，了解重要学术论著、研究者和最新学术动态；培养专业意识，为进一步学习各个断代史和专门史课程，进入本学科领域的研究与实践，打下基础。通过讲授、作业与讨论等多种互动形式，综合养育学生的人文精神与创新能力。

With systematic teaching, we will help students to learn the basic changing clues and major issues of the 1200 years between the Sui Dynasty in ancient China and the Opium War, as well as the necessary historical knowledge of political, economic, institutional, cultural, nationality and other aspects of this period; moreover, the course will help students to learn the basic method of historical research, the important academic works, famous experts and the latest academic trends; to train their professional awareness, and to lay the foundation for further study of the various dynastic histories and history of particular subjects, as well as the research and practice of the field. By a variety of interactive forms of lecture, assignment and discussion, to develop students' humanistic spirit and creativity.

基本目的

通过较为系统的讲授，帮助同学把握中国古代隋朝至鸦片战争 1200 余年间的的基本变迁线索和重大问题，以及这段时期政治、经济、制度、文化、民族等方面的必要历史知识；帮助学生学习中国历史研究的基本方法，了解重要学术论著、研究者和最新学术动态；培养专业意识，为进一步学习各个断代史和专门史课程，进入本学科领域的研究与实践，打下基础。通过讲授、作业与讨论等多种互动形式，综合养育学生的人文精神与创新能力。

课程名称

中国美术史

Chinese Art History

授课教师：刘晨

课程开始日期 2023年2月20日

课程结束日期 2023年6月5日

课程编号 04330051

课程学分 2

授课语言 中文

先修课程 无

COURSE DESCRIPTION

课程简介

“中国美术史”课程以中国朝代史为基本线索，涵盖从史前到20世纪的中国美术发展面貌。课程内容涉及绘画、雕塑、建筑和工艺美术这四个传统美术领域，以各时期代表性艺术品为纲，辅以重要人物和相关理论。课程将以美术史为中心，探讨艺术与政治、经济、宗教和文化等社会生活各层面的立体关系。课程目的有二：一是帮助学生建构较为完备的对于中国艺术发展脉络与框架的认知，理解各时期中国艺术的特点与承前启后的关系，从艺术的角度深入理解中国历史与文化；二是帮助学生初步了解图像、形式与风格等艺术史研究视角和语汇，提高他们的艺术修养与审美认知。

基本目的

“中国美术史”课程的基本目的有二：

一是帮助学生建构起较为完备的对于中国艺术发展脉络与框架的认知，理解各时期中国艺术的特点与承前启后的关系，从艺术的角度深入理解中国历史与文化；

二是帮助学生初步了解图像、形式与风格等艺术史研究视角和语汇，提高他们的艺术修养与审美认知。

授课对象

全校本科生及国外友好院校学生

课程进度

2023年春季学期1-16周，每周一次
(周一下午7-8节，15:10-17:00)

教学方式

教师讲授为主，鼓励学生提问与交流，辅以线上答疑与助教辅导

成绩构成

平时出勤：占10分(随机四次考勤)
期末艺术品述评：占90分

教材与阅读资料

中央美术学院美术史系中国美术史教研室编著，《中国美术简史(新修订本)》，中国青年出版社，2010年

课程名称

中国概况

Introduction to China

授课教师：赵杨

课程开始日期 2023 年 2 月 22 日

课程结束日期 2023 年 6 月 7 日

课程编号 04430003

课程学分 2

授课语言 中文

先修课程 HSK 六级以上（已修完高级汉语）

COURSE DESCRIPTION

课程简介

本课程是一门介绍中国社会与文化的课程，重在当代中国，兼顾历史文化，通过介绍中国社会的方方面面，理解其多样性、差异性与复杂性。

本课程秉持三条原则：（1）客观中立。以世界的眼光看中国，以中国的眼光看世界，把中国放在全球语境中考察，同时通过中国视角分析世界性问题；（2）微小叙事。主要通过实例、数据介绍中国的地理、历史、经济、政治、法律、思想、习俗、饮食等方面；（3）强调语言与社会文化的关系。由于面向留学生，本课程在介绍中国社会文化的同时，强调语言与社会文化的关系，减少学生由于缺乏中国文化背景知识而造成的语言交际障碍和跨文化误读。

This course is designed to introduce different aspects of Chinese culture and society, with emphasis on contemporary China. The main purpose of the course is to help students understand the variety, diversity and complexity of China through these introductions.

The instruction follows three principles. Firstly, try to be objective and unbiased. The course places China among all the countries of the world to look at China from an outsider's perspective. Meanwhile, it analyses problems from the Chinese perspective. Secondly, introduce Chinese geography, history, economy, politics, laws, traditions and cuisines through stories and figures to make sure that they are easily understandable. Thirdly, closely combine language learning and an introduction to China. The course tries to develop students' abilities in cross-cultural communication, especially in understanding contemporary China.

基本目的

通过学习，使学生对中国国情有大致地了解，理解中国社会的多样性、差异性与复杂性，并能够对中国社会做初步分析，得出自己的结论。

课程进度

2023 年春季学期 1-16 周，每周周三 7-8 节（15:10-17:00）

第七讲 旅游与遗产 2 学时

简介
 主要介绍中国的世界文化遗产、自然遗产和非物质文化遗产，介绍中国在文化保护和传承方面开展的工作以及旅游发展情况。

第八讲 婚姻与家庭 2 学时

简介
 主要介绍中国的婚姻形式与家庭观念，以及传统观念在当代社会面临的挑战，介绍中国的婚姻观和家庭观。

第九讲 教育与科研 2 学时

简介
 主要介绍中国的初等、中等、高等教育的现状和发展情况，介绍教育与科技发展对中国的影响。

第十讲 自然与保护 2 学时

简介
 主要介绍中国的自然资源及分布，中国的环境问题以及为应对环境问题而采取的政策措施。



第十一讲 政治与政府 2 学时

简介
 主要介绍中国的国体、政体以及国家运行机制，介绍中国的宪法及其他重要的法律，帮助学生了解中国选择自己的发展道路的必然性。

第十二讲 宗教与信仰 2 学时

简介
 主要介绍中国的宗教观和宗教现状，以及宗教对历史中国和当代中国的影响。

第十三讲 城市与乡村 2 学时

简介
 主要介绍中国的城乡二元社会形成的原因以及城镇化情况，帮助学生了解城镇化给中国社会带来的变化。

第十四讲 语言与方言 2 学时

简介
 主要介绍中国的语言以及汉语方言，帮助学生理解语言规划对于中国的重要性。



赵杨

赵杨，北京大学对外汉语教育学院教授、院长，剑桥大学博士。研究兴趣包括第二语言习得、生成语法、社会语言学、语言教育等，出版专著译著多部，在国内外学术期刊发表论文数十篇，主持国家社科基金等科研项目多项。担任世界汉语教学学会副会长、全国汉语国际教育专业学位硕士生教育指导委员会委员、《国际中文教育》期刊主编、中国英汉语比较研究会二语习得研究专业委员会副会长等学术职务。

课程名称

教育与人工智能

Education and Artificial Intelligence

授课教师：贾积有

课程开始日期 2023 年 2 月 22 日

课程结束日期 2023 年 6 月 7 日

课程编号 06733030

课程学分 2

授课语言 中文

COURSE DESCRIPTION

课程简介

基本目的

最近十多年来人工智能的重大突破和广泛应用，对于教育而言具有三种含义。首先这是教育的胜利，其次将对教育教学产生正面的促进作用、提高教学的产出和投入比，第三将挑战现有的教育制度和教师工作。本课程将从教育学、教育技术、教育经济学、人工智能、技术哲学等多学科的视角、全方位介绍教育、教育技术与人工智能的复杂关系，分析人工智能在教育领域的应用案例，探讨前沿技术在教育领域应用的可能性。方法上，锻炼学生自我阅读和搜索文献、进行科学研究的能力；能力上，学生要熟练运用一种数据挖掘软件进行教育数据挖掘工作。

先修课程 / 授课对象

无 / 任何学科本科生

教学方式

教师授课为主，60%；采用反转课堂的理念，鼓励学生课前预习参考文献，课上报告，20%；学生要参与课堂讨论，20%。充分利用课程管理系统的交互性，实践混合式教学。

作业

数据挖掘小练习

成绩评定办法

考勤和讨论：10%；
课堂报告：20%（20 分钟以上并提交 PPT）；
期中作业：20%；
期末课程内容测验：20%（在线选择题）；
期末论文：30%（关于某一专题，按照模版填写内容，4 页以上）。

教材及参考书

每章都有几篇国内外权威期刊上的论文作为阅读文献，无教科书。



第七讲

教育数据挖掘（一） 日期：2023.4.12

简介

介绍数据挖掘的基本概念和算法。

问题

什么是数据挖掘？

数据挖掘的常用算法有哪些？

阅读资料、网页链接或视频资料

胡祖辉, 施佳. 高校学生上网行为分析与数据挖掘研究 [J]. 中国远程教育, 2017(02):26-32.

贾积有, 于悦洋. (2017) 学习活动指数 LAI 及在线学习活动指数 OLAI 的具体分析. 中国远程教育, 4: 15-21+56.

吴青, 罗儒国. 基于网络学习行为的学习风格挖掘 [J]. 现代远程教育, 2014(01):54-62.

贾积有, 缪静敏, 汪琼. MOOC 学习行为及效果的大数据分析 -- 以北大 6 门 MOOC 为例. 工业和信息化教育. 2014(9): 23-29.

第八讲

教育数据挖掘（二） 日期：2023.4.19

简介

介绍数据挖掘的常用系统和软件, 介绍教育领域数据挖掘的案例。

问题

数据挖掘的系统和软件有哪些？

如何进行教育领域的数据挖掘？

阅读资料、网页链接或视频资料

Wikipedia. Machine learning. http://en.wikipedia.org/wiki/Machine_learning

Pena-Ayala, A. (2014). *Educational data mining: A survey and a data mining-based analysis of recent works*. Expert Systems with Applications, 41(4), 1432-1462.

Papamitsiou, Z., & Economides, A. A. (2014). *Learning Analytics and Educational Data Mining in Practice: A Systematic Literature Review of Empirical Evidence*. Educational Technology & Society, 17(4), 49-64.

作业

给每个同学分配一门慕课的数据, 应用课堂讲授的软件对其进行挖掘分析, 撰写分析报告。

第九讲

自然语言处理（一） 日期：2023.4.26

简介

介绍自然语言处理的概念和方法, 介绍语音处理、词汇分析、语法分析和语义分析的技术和系统。

问题

什么是自然语言处理？

什么是自然语言理解和自然语言产生？

语音识别和合成的系统有哪些？

语法分析的系统有哪些？

语义分析的系统有哪些？

阅读资料、网页链接或视频资料

Turing, A. (1950), *Computing Machinery and Intelligence*. Mind. LIX (236): 433-460.

Weizenbaum, J. (1966). *ELIZA-a computer program for the study of natural language communication between men and machines*. Communications of the ACM, 9(1), 36-45.

Jia, J. (2004). *The Study of the Application of a Web-Based Chatbot System on the Teaching of Foreign Languages*. In C. Crawford et al. (Eds.), Proceedings of Society for Information Technology and Teacher Education International Conference 2004, P.1201-1207. Chesapeake, VA: AACE.

Johnson, W. L., Valente, A. (2009) *Tactical Language and Culture Training Systems: Using AI to Teach Foreign Languages and Cultures*. AI Magazine. 30(2): 72-83.

第十讲

自然语言处理（二） 日期：2023.5.10

简介

介绍自然语言处理技术在语言教学和智能答疑等教

ENGLISH INSTRUCTED UNDERGRADUATE COURSES FOR SPRING 2023

2023年春季学期本科生英文授课课程目录

序号 NO.	课程名称 Course Title	开课系所 Department/School	学分 Credit
1	数论专题 II Topics in number theory II	数学科学学院 School of Mathematical Sciences	3
2	随机矩阵及其相关课题 II Random matrices and related topics II	数学科学学院 School of Mathematical Sciences	3
3	周期点与不动点 Periodic and Fixed points	数学科学学院 School of Mathematical Sciences	3
4	切触几何与非线性微分方程导论 Introduction to contact geometry and nonlinear differential equations	数学科学学院 School of Mathematical Sciences	3
5	代数几何专题 Topics in Algebraic Geometry	数学科学学院 School of Mathematical Sciences	3
6	分析和方程专题 Topics in Analysis and PDE	数学科学学院 School of Mathematical Sciences	3
7	动力系统专题 Topic Course on Dynamical Systems	数学科学学院 School of Mathematical Sciences	3
8	黎曼曲面论 Riemann Surfaces	数学科学学院 School of Mathematical Sciences	3
9	算术代数几何选讲 Topics on arithmetic geometry	数学科学学院 School of Mathematical Sciences	2
10	机器学习与科学计算 Topics in AI for Scientific Computing	数学科学学院 School of Mathematical Sciences	2
11	传热传质学 Heat and Mass Transfer	工学院 College of Engineering	3
12	生物医学光学及应用 Biomedical Optics and Application	工学院 College of Engineering	3
13	细胞与分子影像学 Cellular and Molecular Imaging	工学院 College of Engineering	3

序号 NO.	课程名称 Course Title	开课系所 Department/School	学分 Credit
14	非线性动力学和混沌引论 Introduction to Nonlinear Dynamics and Chaos	工学院 College of Engineering	3
15	超快激光和光谱 Ultrafast Laser and Spectroscopy	物理学院 School of Physics	2
16	地球环境问题与应对 Earth's environmental problems and solutions	物理学院 School of Physics	2
17	科学写作和交流 Introduction to Science Writing and Communication in English	物理学院 School of Physics	2
18	物理化学 (一) Physical Chemistry (I)	化学与分子工程学院 College of Chemistry and Molecular Engineering	3
19	生物化学 Biochemistry	生命科学学院 School of Life Sciences	4
20	生物数学建模 Mathematical Modeling in the Life Sciences	生命科学学院 School of Life Sciences	3
21	批判阅读及理解衰老与再生的系统生物学文献 Critical Reading and Thinking on Systems Biology of Aging and Rejuvenation	生命科学学院 School of Life Sciences	3
22	层序地层学基础 Elementary Sequence Stratigraphy	地球与空间科学学院 School of Earth and Space Sciences	2
23	地球生物学概论 Principles of Geobiology	地球与空间科学学院 School of Earth and Space Sciences	2
24	海洋环境和动力学 Marine Environments and Geodynamics	地球与空间科学学院 School of Earth and Space Sciences	2
25	地球系统演化 The Earth System Evolution	地球与空间科学学院 School of Earth and Space Sciences	3
26	地球物理学术论文写作 Writing Scientific Articles in Geophysics	地球与空间科学学院 School of Earth and Space Sciences	2
27	记忆的神经生物学机制 Neurobiology of memory	心理与认知科学学院 School of Psychological and Cognitive Sciences	2

序号 NO.	课程名称 Course Title	开课系所 Department/School	学分 Credit
28	神经美学 Neuroaesthetics	心理与认知科学学院 School of Psychological and Cognitive Sciences	2
29	生理学 Physiology	心理与认知科学学院 School of Psychological and Cognitive Sciences	2
30	名记者专题 Seminar on Famous Reporters	新闻与传播学院 School of Journalism and Communication	2
31	英语新闻阅读 English News Reading	新闻与传播学院 School of Journalism and Communication	2
32	拉丁语阅读(2) Intermediate Latin 2	历史学系 School of History	2
33	基督教拉丁语(1) Ecclesiastical Latin	历史学系 School of History	2
34	外文历史史料选读(下) Readings on Historical Sources in English (2)	历史学系 School of History	2
35	世界考古学(上) World Archaeology: the Deep History of Human Societies	考古文博学院 School of Archaeology and Museology	2
36	机器道德伦理 Machine Ethics	哲学系 Department of Philosophy and Religious Studies	3
37	种族批判哲学导论 Introduction to the Critical Philosophy of Race	哲学系 Department of Philosophy and Religious Studies	3
38	传统太极拳: 哲学与实践 Traditional Taijiquan: Different Philosophy & Practice	哲学系 Department of Philosophy and Religious Studies	2
39	哲学导论 An Introduction to Philosophy	哲学系 Department of Philosophy and Religious Studies	2
40	哲学导论 Introduction to Philosophy	哲学系 Department of Philosophy and Religious Studies	3
41	西方哲学原著导读(形而上学原理) Western Philosophy (Principles of Metaphysics)	哲学系 Department of Philosophy and Religious Studies	2

序号 NO.	课程名称 Course Title	开课系所 Department/School	学分 Credit
42	国际安全研究 International Security Studies	国际关系学院 School of International Studies	3
43	中国政治与公共政策 Chinese Politics and Public Policy	国际关系学院 School of International Studies	3
44	中国与国际法 China and International Law	国际关系学院 School of International Studies	3
45	政策分析的现代工具 Modern Tools for Policy Analysis	经济学院 School of Economics	2
46	微观经济学 Microeconomics	经济学院 School of Economics	3
47	计量经济学 Econometrics	经济学院 School of Economics	3
48	开放经济的货币金融政策 Monetary and Financial Policy in Open Economies	经济学院 School of Economics	2
49	公司金融 Corporate Finance	经济学院 School of Economics	3
50	产业组织理论 Theory of Industrial Organization	经济学院 School of Economics	3
51	专业英语 English for Economics Majors	经济学院 School of Economics	2
52	经济地理学 Economic Geography	经济学院 School of Economics	2
53	卫生经济学 Health Economics	经济学院 School of Economics	2
54	企业全面风险管理 Enterprise Risk Management	经济学院 School of Economics	2
55	外国经济史 World Economic History	经济学院 School of Economics	3
56	当代中国商业与社会: 制度经济学的视角 Business and Society in Modern China: An Institutional Perspective	经济学院 School of Economics	2
57	应用时间序列分析 Applied Time Series Analysis	经济学院 School of Economics	2

序号 NO.	课程名称 Course Title	开课系所 Department/School	学分 Credit
58	人寿与健康保险 Life and Health Insurance	经济学院 School of Economics	2
59	运营管理 Operations Management	光华管理学院 Guanghua School of Management	2
60	影子中央银行 Shadow PBoC	光华管理学院 Guanghua School of Management	2
61	会计学 Accounting	光华管理学院 Guanghua School of Management	3
62	金融市场与金融机构 Financial Markets and Financial Institutions	光华管理学院 Guanghua School of Management	3
63	投资银行 Investment Banking	光华管理学院 Guanghua School of Management	2
64	策略与博弈 Game Theory	光华管理学院 Guanghua School of Management	3
65	中国社会与商业文化 Chinese Society and Business Culture	光华管理学院 Guanghua School of Management	2
66	渠道管理 Channel Management	光华管理学院 Guanghua School of Management	2
67	中国金融 Finance in China	光华管理学院 Guanghua School of Management	2
68	跨文化沟通 Cross-Cultural Communication	光华管理学院 Guanghua School of Management	2
69	组织行为与领导力 Organization Behavior and Leadership	光华管理学院 Guanghua School of Management	3
70	企业伦理与社会责任 Business Ethics and CSR	光华管理学院 Guanghua School of Management	2
71	国际经济 International Economics	光华管理学院 Guanghua School of Management	2
72	投资中国 Investing in China	光华管理学院 Guanghua School of Management	2
73	营销管理 Marketing Management	光华管理学院 Guanghua School of Management	2
74	创新理论与实践 Theory and Practice of Innovation	光华管理学院 Guanghua School of Management	2
75	财务会计应用 Financial Accounting Application	光华管理学院 Guanghua School of Management	2

序号 NO.	课程名称 Course Title	开课系所 Department/School	学分 Credit
76	沉浸式中国发展探索 China Immersion Project	光华管理学院 Guanghua School of Management	2
77	证券投资学 Security Analysis and Investment	光华管理学院 Guanghua School of Management	3
78	数据叙事：描述、分析与叙述 Data Storytelling: Descriptions, Analytics, and Narratives	信息管理系 Department of Information Management	2
79	有意识的图灵机：认知与计算科学 Cognitive/Computer Science of the Conscious Turing Machine	信息科学技术学院 School of Electronics Engineering and Computer Science	2
80	经济学原理 Principles of Economics	国家发展研究院 National School of Development	4
81	经济增长导论 Introduction to Economic Growth	国家发展研究院 National School of Development	3
82	管理学经典选读 Classics in Management	国家发展研究院 National School of Development	3
83	中级微观经济学 Intermediate Microeconomics	国家发展研究院 National School of Development	3
84	国际贸易 International Trade	国家发展研究院 National School of Development	3
85	经济学高级研讨班 Advanced Research Seminar	国家发展研究院 National School of Development	3
86	公共政策参与 Public Policy Engagement	国家发展研究院 National School of Development	3
87	高等数理方程 Advanced Mathematical Physics Equations	工学院 College of Engineering	4
88	变化中的地球 Our Changing Planet	环境科学与工程学院 College of Environmental Sciences and Engineering	2
89	环境政策与管理 Environmental Policy and Management	环境科学与工程学院 College of Environmental Sciences and Engineering	2

备注：以上目录中课程仅供参考，是否可选根据开课实际情况确定。

Note: The Courses in the above catalogue are for reference only. Whether they can be selected depends on the actual situation of the course.

