**复旦大学研究生课程教学大纲**

**课程名称**/ Course Title**:** AI Skills Building for Future Innovative Society

**课程代码/**Course Code**:**

**任课教师/**Instructor( s)**:** Prof. Shen Yi

**开课院系/**School/ Department**:** School of International Relations and Public Affairs

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| **1．课程概要/Course Summary** | | | | | | | | | | | | | | |
| **课程名称（中文）**  Course Title (Chinese) | | | | | 创新社会中的人工智能素养建设 | | | | | | | | | |
| **课程名称（英文）**  Course Title (English) | | | | | AI Skills Building for Future Innovative Society | | | | | | | | | |
| **课程代码**  Course Code | | | | |  | | | **任课教师**Instructor(s) | | | | | 沈逸 Shen Yi | |
| **开课院系**  School/Department | | | | | School of International Relations and Public Affairs | | | **开课学期**  semester | | | | | 2025 Fall | |
| **授课语言**  Teaching Language | | | | | English | | | **适用学科专业**  Discipline/Specialization | | | | | Public Selective Course for Postgraduate Students | |
| **学分数**  Course Credit(s) | | | | | 2 | | | **教学周数**  Weeks | | | | | 1 | |
| **总学时**  Teaching Hours in Total | | | | | 32 | | | **实验/实践学时**  Hours for Experiments /Practice | | | | | 2 | |
| **预修课程要求**  Pre-requisite Course(s) | | | | | None | | | | | | | | | |
| **课程简介**  Course Introduction | | | | | Artificial intelligence has had an embedded and profound impact on the current international community. Among them, improving artificial intelligence literacy is of great significance for building an innovative future society. Specifically, artificial intelligence literacy includes: 1. Innovative awareness and risk awareness in applying artificial intelligence technology; 2. Theoretical literacy that enables the cross-integration of professional knowledge and artificial intelligence technology; 3. The ability to use artificial intelligence tools; 4. An international perspective on artificial intelligence application scenarios; 5. Practical ability to manage and implement artificial intelligence innovation projects. Based on the above themes, this course will offer a series of lectures and organize social practice visits, with the aim of comprehensively enhancing the artificial intelligence literacy of students who have chosen this course from multiple dimensions.  This course is supported by the International Institute of Global Cyberspace Governance of Fudan University and the Asia-Europe Foundation. Since 2021, Fudan University and the Asia-Europe Foundation have successfully held the "Higher Education Innovation Laboratory" (ASEF InnoLab) series of activities for four consecutive years. This course will rely on the "AE4AI Network" established by the Asia-Europe Foundation in 2023. It will invite about 20 experts from universities or educational institutions in different countries of Asia and Europe to bring a series of lectures with diverse perspectives to Fudan students, broadening the international vision of students choosing this course on AI technology and AI applications. | | | | | | | | | |
| **2. 教学目标/Course Objective**（100-200字） | | | | | | | | | | | | | | |
| 1. Enable students to understand and master the application cases of AI technology in global governance.  2. Enhance students' theoretical literacy in global governance of artificial intelligence.  3. Enhance the ability to use AI tools and learn to utilize domestic AI tools such as DeepSeek, Wenxin Yiyan, and kimi for research methods including data retrieval, data analysis, data visualization, and model building.  4. Expand international perspectives through social practice activities. | | | | | | | | | | | | | | |
| **3．教学内容及进度安排/Course Content & Schedule** | | | | | | | | | | | | | | |
| **课次/模块**  No. | | **教学周**  Week | | **教学内容及预期效果**  Content & Expected Achievement | | | | | | | **作业/练习**  Assignment | | | |
| 1 | | 1 | | Course Overview and Basic Knowledge | | | | | | |  | | | |
| 2 | | 1 | | The macro theory of AI and global governance | | | | | | |  | | | |
| 3 | | 1 | | Frontier topics in global AI governance | | | | | | |  | | | |
| 4 | | 1 | | Security issues and ethical risks of AI technology | | | | | | |  | | | |
| 5 | | 1 | | Case Sharing: The Application of AI in Global Governance | | | | | | |  | | | |
| 6 | | 1 | | Application of AI in SDGs | | | | | | |  | | | |
| 7 | | 1 | | Application of AI in SDGs | | | | | | |  | | | |
| 8 | | 1 | | Showcase of AI tools Application：Chinese Domestic LLM Tools | | | | | | |  | | | |
| 9 | | 1 | | Showcase of AI tools Application：Chinese Domestic AI Tools | | | | | | |  | | | |
| 10 | | 1 | | Showcase of AI tools Application：International Domestic LLM Tools | | | | | | |  | | | |
| 11 | | 1 | | Showcase of AI tools Application：International Domestic AI Tools | | | | | | |  | | | |
| 12 | | 1 | | Using AI to promote academic capacity | | | | | | |  | | | |
| 13 | | 1 | | Social Practice (I) : Visiting artificial intelligence enterprises in Shanghai | | | | | | |  | | | |
| 14 | | 1 | | Social Practice (II) : Visiting artificial intelligence enterprises in Shanghai | | | | | | |  | | | |
| 15 | | 1 | | Designing and Managing AI Innovation Projects | | | | | | |  | | | |
| 16 | | 1 | | Designing and Managing AI Innovation Projects | | | | | | |  | | | |
| **4. 课程考核及成绩评定/Course Assessment & Grading** | | | | | | | | | | | | | | |
| **考核形式\***  Assessment Criteria | | **权重**  Percentage | | | | **评定标准**  Assessment Standard | | | | | | | | |
| **出勤**  Attendance | | 20% | | | | Students must attend classes on time. Those who are absent from classes will have 2 points deducted each time | | | | | | | | |
| **课堂表现**  Participation | | 10% | | | | Students are required to actively participate in classroom interactions, and their classroom performance scores will be comprehensively evaluated by the subject teachers | | | | | | | | |
| **作业/实验/实践**  Assignment(s) | | 30% | | | | Students are required to actively participate in the social practice activities organized by the course and form visit reports | | | | | | | | |
| **课程论文**  Course Paper | | 40% | | | | 3500-4500 words, the article should conform to academic norms | | | | | | | | |
| **开卷考试** Open-book exam | | 0% | | | |  | | | | | | | | |
| **闭卷考试**  Close-book exam | | 0% | | | |  | | | | | | | | |
| **其他**  Other(s) | | 0% | | | |  | | | | | | | | |
| \* 各项考核指标可自由设置，无相关要求的可填0%，总权重为100%。 | | | | | | | | | | | | | | |
| **5. 教材/Textbook(s)** （如使用自编讲义，请在“名称”列中备注说明） | | | | | | | | | | | | | | |
| **序号**  No. | **名称**  Title | | | | | **编著者**  Author(s) | **标准书号**  ISBN | | | **出版机构**  Publisher | | | | **出版年月**  Publication Date |
| **1** | **Artificial Intelligence: A Modern Approach** | | | | | **Stuart Russell, Peter Norvig** |  | | | Pearson | | | | **2020** |
| **2** |  | | | | |  |  | | |  | | | |  |
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| **6** |  | | | | |  |  | | |  | | | |  |
| **6. 教学参考资料/Reading Materials and References** | | | | | | | | | | | | | | |
| 1. Salman, Husain Abdulrasool, et al. "Systematic analysis of generative AI tools integration in academic research and peer review." *Online Journal of Communication and Media Technologies* 15.1 (2025): e202502. 2. Li, Zixuan. *Generative AI in Higher Education Academic Assignments: Policy Implications from a Systematic Review of Student and Teacher Perceptions*. Diss. Massachusetts Institute of Technology, 2024. 3. Michael Horowitz. *Artificial Intelligence, International Competition, and the Balance of Power.* Texas National Security Review, 2018 4. Allan Dafoe. *AI Governance: A Research Agenda Centre for the Governance of AI*, Future of Humanity Institute, 2018 5. Nick Bostrom. *Superintelligence: Paths, Dangers, Strategies, Oxford University Press* , 2014 6. Kathleen Walch. *Ethical Challenges in the Use of Artificial Intelligence*, Forbes, 2019 7. Kulkov, Ignat, et al. "Artificial intelligence‐driven sustainable development: Examining organizational, technical, and processing approaches to achieving global goals." *Sustainable Development* 32.3 (2024): 2253-2267. 8. Al‐Raeei, Marwan. "The smart future for sustainable development: Artificial intelligence solutions for sustainable urbanization." *Sustainable Development* 33.1 (2025): 508-517. 9. Van Wynsberghe, Aimee. "Sustainable AI: AI for sustainability and the sustainability of AI." *AI and Ethics* 1.3 (2021): 213-218. 10. 周志华：《机器学习》，清华大学出版社，2016。 11. 王海峰：《人工智能: 技术、应用与社会》， 人民邮电出版社，2020。 12. 周亭,蒲成.生成式人工智能的国际传播能力及潜在治理风险[J].对外传播,2023(04):14-18. 13. 孙学峰.数字技术创新与国际战略竞争[J].外交评论(外交学院学报),2023,40(01):54-77+166+6. 14. 余南平.新一代通用人工智能对国际关系的影响探究[J].国际问题研究,2023(04):79-96+137. 15. 封帅.人工智能时代的国际关系:走向变革且不平等的世界[J].社会科学文摘,2018(03):26-29. | | | | | | | | | | | | | | |
| **7. 任课教师简介/Profile of Instructor(s)** （教学科研经历简介，300字左右） | | | | | | | | | | | | | | |
| Prof. Shen Yi is the professor of the School of International Relations and Public Affairs at Fudan University and Fudan Development Institute. He serves as the director of Fudan BRICS Institute and Fudan International Institute of Global Cyberspace Governance. He has been engaged in long-term research in the fields of global cyberspace governance, cybersecurity, cyber sovereignty, and Sino-American cyber security relations. | | | | | | | | | | | | | | |
| **办公地址**  Office Add | | | 复旦大学文科楼332室 | | | | | | **办公时间**  Office Hour | | | 9:00-17:00 | | |
| **联系邮箱**  Email Add | | | sheny@fudan.edu.cn | | | | | | **联系电话**  Contact phone | | | 18616671348 | | |
| **教师签名**  Signature | | |  | | | | | | **日期**  Date | | | 2025.3.17 | | |