



清华大学 110周年校庆
110th ANNIVERSARY
TSINGHUA UNIVERSITY



TSINGHUA GLOBAL
SUMMER SCHOOL
GSS 2021

COURSE HANDBOOK



CONTENTS

| | |
|--|----|
| I. COURSE REGISTRATION | 03 |
| II. REQUIREMENTS FOR OBTAINING THE CERTIFICATE OF ATTENDANCE | 03 |
| III. TSINGHUA GLOBAL SUMMER SCHOOL 2021 COURSE SCHEDULE | 06 |

The Tsinghua Global Summer School 2021 (GSS) is facilitated by the online learning platform XueTangX. Please create an account and log in for class participation, Q&A, and credit application: <https://www.xuetangx.com/page/G2021>

I. COURSE REGISTRATION

1. The compulsory components of GSS 2021 include **eight (8) GSS Masterclasses** and **one (1) of the SDG Hackathon tracks**. Youth Forums and Extracurricular Activities are elective components.
2. GSS students are eligible for applying for ONE (1) Tsinghua University Academic Credit **for completing 32 sessions of academic components** as required. The 32 sessions must include **the SDG Hackathon** and **five (5) out of eight (8) GSS Masterclasses (including the Opening Ceremony and the Closing Ceremony)**.
3. The **XueTangX platform is only open to students who have registered for the course**. Students who have registered for the course can watch live or watch video recordings of the course at <https://www.xuetangx.com/page/G2021>.

II. REQUIREMENTS FOR OBTAINING THE CERTIFICATE OF ATTENDANCE

Students are eligible to apply for one (1) Tsinghua University Academic Credit by obtaining the GSS 2021 Certificate of Attendance. The Tsinghua GSS 2021 awards a Certificate of Attendance to those students who have successfully completed two (2) components: an SDG Hackathon track project, and a final essay. Each component will be assessed on a pass/fail basis. Detailed requirements are outlined below.

Requirement 1: Class participation (8 GSS Masterclasses + the SDG Hackathon)

Requirement 1a:

Please participate in five (5) out of eight (8) GSS Masterclasses (including the Opening Ceremony and the Closing Ceremony). The Masterclasses can be viewed live or watched through video recording at XueTangX from June 28 to July 6, 2021.

Requirement 1b: Teamwork in completing project work in one of SDG Hackathon tracks

Project teamwork performance: 2 cross-pitches + 3 minutes final presentation

Final presentation main content: An innovative solution/proposal

- (1) Project name: (Your innovative solution/proposal);
- (2) Team members: each member's full name, university currently enrolled or to be enrolled later this year, and their role in the GSS SDG team (all in one PPT slide);
- (3) Project summary: 150~300 words (all in one PPT slide);
- (4) Main argument: The what, why, and how concerning your team's chosen SDG problem and its solution (you can refer to 《2021 SDG Open Hack Solution Outlines》, 5-10 pages PPT slides is fine).

Final presentation submission

(1) **Format:** Microsoft PPT, or PDF converted from PPT/Keynote;

(2) **File upload:** Only **team leader** from each project team may upload the final presentation file to the XueTangX platform by 6:00pm (Beijing time, GMT +8), Sunday, 4 July, 2021;

(3) **File name:** The presentation file must be named using the following format: GSS2021.-Hack No.-Team Name + project name (e.g., "GSS2021 -Hack10-Tingting- Algorithm Based Resilient Cities).

Requirement 2: A final essay of 1,500~1,800 words

- **Language:** The final essay must be written in English, using word-processing software
- **Format:** Use the *Essay Template* to answer all three questions (see below)
- **Submission:** Submit your essay either in WORD or PDF form to your hack assistant by 6:00pm (Beijing time, GMT +8), Wednesday, 14 July, 2021. The file name of your essay should follow the format of "Student ID. -Your Hack No.-Your Full Name" , e.g., 20214708000-Hack1-Alisa.
- **Grading Criteria:** A **PASS** will be awarded for an essay which meets all the following criteria

Criteria for an essay with a PASS grade

| | |
|---------------------------------|---|
| Persuasion | Present a compelling argument , providing adequate evidence in support of your views. |
| Originality | Present an independent, creative, and critical argument. |
| Brevity | Write your essay in 1,500-1,800 words (header/personal information & references do <u>not count</u> toward total word count). |
| Citation & Reference | All statistics and direct or indirect quotes should be cited in MLA style . Please provide index-referencing in the main text and a corresponding reference list at the end of your essay. |
| Clarity of Copy | Ensure that your essay uses correct grammar and contains no typographical errors. |

Information for Tsinghua GSS 2021

Please fill in your information in this page and add your final essay submission.

Your Personal Information

| | |
|--|--|
| Name (Family name, First name) | |
| Home University (Where you are currently enrolled) | |
| Degree Program (e.g. BA in Fine Arts, or MSc in Chemistry) | |
| Essay word count (Main body of the text only) | |

The Five Masterclasses You Studied in GSS 2021

| Please tick five | Theme and Date | |
|------------------|----------------|--|
| | Masterclass 1 | The Chinese Economy: Prosperity and Prospects (28 June) |
| | Masterclass 2 | Developing Leaders in Innovation (28 June) |
| | Masterclass 3 | Positive Psychology for the Post-Pandemic Era (29 June) |
| | Masterclass 4 | Tsinghua University and Sustainable Development (30 June) |
| | Masterclass 5 | Sustainable Design and Creative Thinking (30 June) |
| | Masterclass 6 | Effective Learners - Insights on College Student Engagement Research (2 July) |
| | Masterclass 7 | Global Transition Towards Carbon Neutrality (3 July) |
| | Masterclass 8 | Two Slopes, Two Approaches to Sustainability - the Designs of National Ski Jumping Centre and Shougang Big Air for Beijing 2022 (4 July) |

Your Essay for Tsinghua GSS 2021

Please write an essay of 1,500~1,800 words to describe and explain the ONE KEY PROBLEM about sustainable development that is most important to you, but has not been solved, or has not been fully solved. Please state what that key problem is, and explain why it is important to you, how to solve it, and why your solution is valuable and viable.

Your essay document should contain the following sections:

Title & Personal Information (from above)

Five Masterclasses Studied in GSS 2021 (from above)

Main Body of Essay

References

III. TSINGHUA GLOBAL SUMMER SCHOOL 2021 COURSE SCHEDULE

| Day 1 - June 28 (Monday) | |
|----------------------------------|---|
| Opening Ceremony | |
| 09:00-09:40 | GSS Opening Ceremony (Live) |
| 09:40-10:25 | GSS Masterclass 1 (Live) Theme: The Chinese Economy: Prosperity and Prospects Speaker: Professor LI Jinliang, Dean of International Affairs, Tsinghua University |
| 10:25-10:40 | Q&A |
| 10:50-11:20 | Introduction to GSS SDG Hack Speaker: Professor LI Jizhen, Associate Dean of the School of Economics and Management; Professor of Department of Innovation, Entrepreneurship and Strategy; and, Professor of x-lab, Tsinghua University |
| 19:00-20:00 | GSS Masterclass 2 (Live) Theme: Developing Leaders in Innovation Speaker: Professor Pei-Luen Patrick Rau, Vice Dean of Tsinghua Global Innovation Exchange (GIX) Institute; Professor of Department of Industrial Engineering, Tsinghua University; |
| SDG Hack | |
| 20:10-22:00 | Ice-breaker (Zoom link to be provided by Hack Manager) |
| Day 2 - June 29 (Tuesday) | |
| 09:00-10:00 | GSS Masterclass 3 (Live) Theme: Positive Psychology for the Post-Pandemic Era Speaker: Professor PENG Kaiping, Dean of School of Social Sciences, Tsinghua University |
| 10:10-19:00 | Extracurricular Activities (Note: Participants can view items of interest during this timeframe) |
| | Virtual Tour of Tsinghua University History Museum and Campus (30 minutes) |
| | Chinese Culture Activity - Tsinghua Bamboo Slips (40 minutes) |
| | Chinese Culture Activity - Discovering Chinese Characters (50 minutes) |
| | Virtual Tour of Tsinghua University Art Museum (60 minutes, live) |
| 15:30-17:00 | Youth Forum 1 Theme: Student Success by Developing Global Competence for All Guests: 1. Professor GAO Hong, Executive Dean of Tsinghua Shenzhen International Graduate School, Tsinghua University 2. David Zupko, Associate Dean of International Affairs, Tsinghua University 3. MENG Bo, Associate Dean of International Affairs, Tsinghua University Moderator: XIAO Qian, Associate Dean of International Affairs, Tsinghua University |
| SDG Hack | |
| 19:00-20:20 | Innovation methods, Hackathon and theme introduction |
| 20:30-21:45 | Problem pitching (Internet link to be provided by Hack Manager) |
| 21:45 | Team formation |

| Day 3 - June 30 (Wednesday) | |
|------------------------------------|--|
| 9:00-10:00 | GSS Masterclass 4 (Live) Theme: Tsinghua University and Sustainable Development Speaker: Professor ZHU Xufeng, Associate Dean of School of Public Policy and Management, Tsinghua University; Executive Director of Institute for Sustainable Development Goals, Tsinghua University |
| 15:30-17:00 | Youth Forum 2 Theme: The Role of Enterprises in Achieving the Sustainable Development Goals Guests: 1. Joe Pattinson, Head of BMW Group Greater China Sustainability and Mobility 2. Rashid Qureshi, Chairman and CEO of Nestlé Greater China 3. TBD Moderator: Professor LI Jizhen, Associate Dean of the School of Economics and Management; Professor of Department of Innovation, Entrepreneurship and Strategy; Professor of x-lab, Tsinghua University |
| 19:00-20:30 | GSS Masterclass 5 (Live) Theme: Sustainable Design and Creative Thinking Speaker: Professor LIU Xin, Academy of Arts & Design, Tsinghua University; Deputy Director of Industrial Design Department, Director of the Eco-Design Research Institute; Coordinator of Design for Social Innovation and Sustainability (DESI) Lab Tsinghua; Initiator and Coordinator of LeNS-China (International Learning Network of networks on Sustainability - China) |
| SDG Hack | |
| 12:00 | Complete Team Registration |
| 19:00-21:30 | Team work: Brainstorming & Ideas Generation |
| 21:35-22:00 | Cross pitch 1 sign-up (Registration link to be provided by Hack Manager) |
| Day4 - July 1 (Thursday) | |
| SDG Hack | |
| 20:00-22:00 | Cross pitch 1 (Mentors to be online) |
| 22:00 | Cross pitch 2 sign-up (Registration link to be provided by Hack Manager) |
| Day 5 - July 2 (Friday) | |
| 10:00-11:30 | Youth Forum 3 Theme: Green Construction - a Dialog between Tsinghua University and the Pontifical Catholic University of Chile Guests: 1. Professor LIN Borong, Associate Dean of School of Architecture, Tsinghua University 2. Professor at Pontifical Catholic University of Chile Moderator: Professor CHEN Taotao, School of Economics & Management, Tsinghua University; Director, Tsinghua University Latin America Center |
| 15:30-17:00 | Youth Forum 4 Theme: Academic Integrity and Sustainability Competence Guests: 1. Loretta O'Donnell, PhD, Vice Provost for Academic Affairs, Nazarbayev University 2. David Zupko, Associate Dean of International Affairs, Tsinghua University |

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| | 3. SUN Fu, Director of Office of Graduate Studies, Graduate School, Tsinghua University Moderator: Associate Professor ZHONG Zhou, Institute of Education, Tsinghua University |
| 19:00-20:00 | GSS Masterclass 6 (Live) Theme: Effective Learners - Insights on College Student Engagement Research Speaker: Professor SHI Jinghuan, Institute of Education, Deputy Chair of the University Degree Committee, Tsinghua University |
| SDG Hack | |
| 13:00-22:00 | Team work: User Research |
| Day 6- July 3 (Saturday) | |
| 19:00-20:00 | GSS Masterclass 7 (Live) Theme: Global Transition Towards Carbon Neutrality Speaker: Associate Professor TENG Fei, Deputy director of Institute of Energy Environment and Economy, Tsinghua University |
| SDG Hack | |
| 20:10-21:10 | Team work: Continue reviewing and revising respective projects |
| 21:10-22:10 | Cross pitch 2 (Mentors to be online) |
| Day 7- July 4 (Sunday) | |
| 10:00-11:30 | Youth Forum 5 Theme: Promoting Sustainability Competence through Learning Innovation Guests: Tsinghua-Tohoku University Joint Project on Higher Education for Sustainable Development 1. Associate Professor LIU Jing, Graduate School of Education, Tohoku University 2. Professor Hideki Kozima, Graduate School of Education, Tohoku University 3. Associate Professor Yuki Watabe, Global Learning Center, Tohoku University 4. Professor Yoshinori Hayakawa, Director of Center for Data-driven Science and Artificial Intelligence, Tohoku University 5. Associate Professor FENG Fan, Department of Painting, Academy of Arts & Design, Tsinghua University Moderator: Associate Professor ZHONG Zhou, Institute of Education, Tsinghua University |
| 15:30-17:00 | Youth Forum 6 Theme: 'University of Wilderness' and Sustainable Development Guests: 1. Professor YANG Rui, Chair of Department of Landscape Architecture, School of Architecture, Tsinghua University 2. Associate Professor FENG Fan, Department of Painting, Academy of Arts & Design, Tsinghua University 3. Kyle Obermann, Conservation photographer 4. ZHANG Yanjie, Lecturer, School of Leisure Sports and Tourism, Beijing Sport University 5. LIU Yanlin, Researcher, Chinese Felid Conservation Alliance 6. CAO Yue, PhD, Department of Landscape Architecture, School of Architecture, Tsinghua University Moderator: Associate Professor ZHONG Zhou, Institute of Education, Tsinghua University |
| 19:00-20:00 | GSS Masterclass 8 (Live) Theme: Two Slopes, Two Approaches to Sustainability - the designs of National Ski |

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| | Jumping Centre and Shougang Big Air for Beijing 2022 Speaker: Professor ZHANG Li, Dean of School of Architecture; Vice Principal in Architectural Design and Research Institute (THADI), Tsinghua University |
| SDG Hack | |
| 18:00 | Final presentation submission deadline |
| Day 8- July 5 (Monday) | |
| 9:00-9:50 | Enterprise virtual visit (Huawei) |
| 10:00-10:50 | Enterprise virtual visit (Lenovo) |
| 16:00-16:50 | Enterprise virtual visit (Huawei) |
| 17:00-17:50 | Enterprise virtual visit (Lenovo) |
| SDG Hack | |
| 19:00-21:00 | Final pitching (3 min presentation+2 min Q&A) |
| 21:00-21:15 | Panelists' evaluation |
| 21:15-21:30 | Awards ceremony |
| 21:40-22:00 | Virtual Networking & Celebration Event |
| Day 9- July 6 (Tuesday) | |
| 10:00-11:30 | Youth Forum 7 Theme: 2021 Tsinghua Global Summer School (GSS) Open Hack Winners Presentation Moderator: LIAO Ying, Director of the Center for Global Competence Development, Tsinghua University |
| 15:30-17:00 | Youth Forum 8 Theme: Student Success by Developing Global Competence for All Reconsidered Guests: 1. David Zupko, Associate Dean of International Affairs, Tsinghua University 2. LIAO Ying, Director of the Center for Global Competence Development, Tsinghua University 3. XIAO Qian, Associate Dean of International Affairs, Tsinghua University Moderator: MENG Bo, Associate Dean of International Affairs, Tsinghua University |
| Closing Ceremony | |
| 20:00-20:30 | Closing Ceremony (Live) |
| 20:30-20:35 | GSS formally concludes |

*Yellow parts are GSS Masterclasses, orange parts are Youth Forums, green parts are SDG Hacks, and blue parts are Extracurricular Activities.