

Sustainable Development and Integrated Management

April 8, 2019

Monday 10:45-12:15

Ishikawadai 4 building - RoomB04-05

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INTRODUCTION:

This course aims at introducing various approaches to sustainable development. The first half of this course focuses on the history and current status of the concept of sustainable development including "Sustainable Development Goals." Integrated development models to deal with issues related sustainable development are discussed and analyzed in the group works. The second half looks at the selected current development projects implemented by Tokyo Tech research groups. The students conduct the stakeholders' analysis in groups to understand the integrated management approach to sustainable development.

The concept of sustainable development has been discussed since 1980's, and its definition and understanding have been evolved over time. Following the Millennium Development Goals (MDGs), the Sustainable Development Goals (SDG) was approved in 2015, making it a core concept of the goal of the international development. This course outlines the history of the sustainable development. It further provides students the opportunities of carefully thinking about the sustainability and the importance of integrated management of international development project through the group activities and individual paper writing.

By the end of the course, students are expected to understand the concept and the evolution of the sustainable development in the historical context. Group activities take place to help students be equipped with the skills in problem identification and analysis, as well as discussion and presentation of potential solutions.

Grading Criteria:

Participation to the group exercise and presentation (30 points) are essential requirement for credit. End term report of stakeholder analysis is assigned, and evaluated based on the problem identification and solution as well as the logical thinking (70 points).

Textbooks (Reading Materials): Selected reading materials from a variety of development study readers as well as different UN and Development Bank document and publications. Project document will be provided for the preparation of exercises and field study.

1. "Transforming our World: The 2030 Agenda for Sustainable Development", United Nations, 2015
<https://sustainabledevelopment.un.org/content/documents/21252030%20Agenda%20for%20Sustainable%20Development%20web.pdf>
2. Rio+20 Policy Briefs
<http://www.igbp.net/publications/policybriefsforrio20summit/policybriefsforrio20summit.4.705e080613685f74edb8000845.html>
3. OECD-UNDP (2002), Sustainable Development Strategies: A Resource Book, Earthscan Publications, Ltd.
[http://www.sd-network.eu/pdf/resources/Dalal-Clayton,%20Bass%20\(2002\)%20-%20Sustainable%20Development%20Strategies%20-%20A%20Resource%20Book.pdf](http://www.sd-network.eu/pdf/resources/Dalal-Clayton,%20Bass%20(2002)%20-%20Sustainable%20Development%20Strategies%20-%20A%20Resource%20Book.pdf)
Book version is available at <http://www.amazon.co.jp> (ISBN: 1853839477)
4. United Nations (2002), Report of the World Summit on Sustainable Development.
<https://sustainabledevelopment.un.org/milestones/wssd>

****Basic Readings**

1. "Human development – past, present and future" UNDP Human Development Report 2001, UNDP, Oxford University Press, 2001
<http://hdr.undp.org/en/content/human-development-report-2001>
2. "Human development for everyone" UNDP Human Development Report 2016, UNDP Oxford University Press, 2016
http://hdr.undp.org/sites/default/files/2016_human_development_report.pdf
3. Chambers, Robert. 1983. Rural Development: putting the last first. Essex, England: Longmans Scientific and Technical Publishers; New York: John Wiley.
https://books.google.co.jp/books/about/Rural_Development.html?id=vjWFAAAAIAAJ&redir_esc=y
4. Chambers, Robert. 1997. Whose Reality Counts: Putting the First Last. London: Intermediate Technology Publications.
https://books.google.co.jp/books/about/Whose_Reality_Counts.html?id=kzWFAAAAIAAJ&redir_esc=y

Weekly Schedule and Assignment:

Week	Class Contents
Week 1: April 8, Monday	<p>Concept of sustainable development: From Brundtland Report to Sustainable Development Goal</p> <p>Video: The 7 billion challenge, The Earth Institute, Columbia University, New York</p> <p>https://blogs.ei.columbia.edu/2011/10/12/the-7-billion-challenge/</p>
Week 2: April 15, Monday	<p>Human development: Sustainability and equity – Sustainable Development Goals</p> <p>Reading Assignment #1: "Transforming our World: The 2030 Agenda for Sustainable Development", United Nations, 2015</p> <p>https://sustainabledevelopment.un.org/content/documents/21252030%20Agenda%20for%20Sustainable%20Development%20web.pdf</p> <p>Reading Assignment #2: Selected reading from "Rio+20 Policy Briefs" website</p> <p>http://www.igbp.net/publications/policybriefsforrio20summit.4.20d892f132f30b44308000236.html</p> <p>Group exercise: Sustainable development policy briefs</p>
Week 3: April 22, Monday	<p>Group exercise: Sustainable development policy briefs and development models: Group Presentations</p>
Week 4: May 9, Thursday	<p>Stakeholder analysis</p> <p>Reading Assignment #3: OECD-UNDP (2002), Sustainable Development Strategies: S Resource Book, Chapter 5, Earthscan Publications, Ltd.</p> <p>http://www.sd-network.eu/pdf/resources/Dalal-Clayton,%20Bass%20(2002)%20-%20Sustainable%20Development%20Strategies%20-%20A%20Resource%20Book.pdf</p>
Week 5: May 13, Monday	<p>Case study: Development projects in Mongolia</p> <p>"Sustainable use of ICT to develop teacher training materials in schools in Mongolia"</p>
Week 6: May 20, Monday	<p>Case study: Development projects in Lao PDR</p> <p>"Application of ICT to promote sustainable development of heritage site of Luang Prabang, Lao PDR"</p>
Week 7: May 27, Monday	<p>Group exercise: Stakeholder analysis</p>
Week 8: June 3, Monday	<p>Group presentation, wrap up</p>

**There may be some slight adjustments in the weekly schedule.