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outline:

In the study of public problem and public policy, scholars point out the fact that our society is full of "wicked problem" where to solve one problem leads unconsciously the other problems. This kind of vicious cycle results in a society with ample of problems with no clear resolution. To figure out the solutions for the wicked problem, the literature suggests one to first diagnose the source of its complexity and then use "system thinking", namely non-traditional linear problem-solving method, to propose a more integrated and avant-garde resolution.

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+   :30%
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                                                                         :Attendance 10%%

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   To understand the origin and importance of public problem for our societal development.   To understand how system thinking can help us to diagnose and tackle public problems   To learn a variety of analytical perspectives to analyze public problems and cases   To go beyond traditional linear thinking and move toward analyzing problems of environment-social-governance (ESG) origin, namely three main aspects of sustainability, with system thinking approach

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Please see power point slides made by instructor for each week

		( )	
1	9.11~9.18	Week 1 Course Introduction: Relationship between System Thinking and Public Problem? What type of problem is a " wicked problem"?;	8　　　　　8-12 ( ) 　　　　　12
2	9.18-9.25	I. Why do we need to understand wicked problem? Week 2.; Wicked Problem Debate in Public Policy Theory	
3	9.25-10.02	Week 3; Uncertainty Typology in Wicked Problem	28 ( )　　　　　／ ( ),29 ( )
4	10.02-10.09	II. Why to understand system thinking is needed? Week 4. Traditional Linear Thinking Development	29
5	10.09-10.16	Week 5 Innovative System Thinking Approach	6 ( )　　( )　10 ( )　　( )
6	10.16-10.23	Week 6 System Thinking Toolkit I	14 　　　　　　　18
7	10.23-10.30	Week 7 System Thinking Toolkit II; Individual assignment: read a news article and analyze this news' problems to draw (use Miro.com) one systematic mapping (15%)	24 ( )　　25 ( ) ( )
8	10.30-11.06	Week 8 System Thinking & Scenario Simulation	30
9	11.06-11.13	Week 9; Individual Written Midterm Exam (30%) No class. ; ; ;Online exam ;(open for 24 hours);	3~9
10	11.13-11.20	III. Domestic and International Wicked Problem Case Study & Analysis (based on ESG Sustainability principle) Week 10 Environment Wicked Problem I	13 　　　　,16

11	11.20~11.27	Week 11 Environment Wicked Problem II	
12	11.27~12.04	Week 12 Social Wicked Problem I No class meeting（ please go to your group for discussion) Group Assignment (15%) 1) to make an appointment with at least one decision maker (online or face-to-face) to understand what kind of problem they are trying to solve?;; 2) draw the system mapping of this problem; 3) use ths mapping as background for your final policy recommendation white paper;;	24~28　　　　　24 　　27 　　28　　　　　29 　　101
13	12.04~12.11	Week 13 Social Wicked Problem II	
14	12.11~12.18	Week 14 Governance Wicked Problem I	12
15	12.18~12.25	Week 15 Governance Wicked Problem II	
16	12.25~1.01	Week 16 Extra for NPUST: Water-Energy-Food Nexus (WEF) Wicked Problem http://css.npust.edu.tw/tes/chineseindex.aspx	22　　　　　25 　（　）
17	1.01~1.08	Future Human Society Scenario Simulation Week 17 System Thinking and Our Common Future Scenario Simulation (World Café mode/ based on NPUST related public problems) Group oral presentation / each group 5 minutes	1　（　）　　　（　）
18	1.08~1.15	Week 18 Policy Recommendation　No Class/Please upload policy recommendation White Paper (please google 'policy brief' for examle) Group Report from Wicked Problem′s Angle (TBL) (30%) Google search keyword "policy brief" offer exemplar; Self-Evaluation (10%)	5~11　　　　　10~11