

ESD.10 Knowledge Self Assessment

Please fill in your corresponding level for each knowledge area

<u>LEVEL 0:</u>	<u>LEVEL</u>	<u>ESD.10 KNOWLEDGE AREAS</u>
<p>To have no exposure to or knowledge of</p> <ul style="list-style-type: none"> • Have I never heard about these topics at all? • Have I only heard about these topics in casual conversation? 		<p>Policy goals: equity, efficiency, security, liberty</p>
<p><u>LEVEL 1:</u></p> <p>To have experienced or been exposed to</p> <ul style="list-style-type: none"> • Have I had some organized introduction to or instruction on these topics? • Have I used some of these topics in my work? • Can I tell myself what these topics really mean? 		<p>Policy problem framing: symbols, numbers, causes, interests</p>
<p><u>LEVEL 2:</u></p> <p>To be able to participate in and contribute to</p> <ul style="list-style-type: none"> • Do I know enough about these topics that I can comprehend what other people mean? • Can I participate in give-and-take dialogue on these topics? • Have I ever participated in an activity when this topic was used? • Did I contribute to the discussion or action surrounding this topic? 		<p>Policy solutions: inducements, rules, facts, rights, powers</p>
<p><u>LEVEL 3:</u></p> <p>To be able to understand and explain</p> <ul style="list-style-type: none"> • To whom could I explain these topics? • What would I actually tell them? • Have I ever actually explained any of these topics to someone else? • Have I written something about these topics? • Have I given a presentation where I explained these topics or needed these topics to explain something? 		<p>Policy analysis: stakeholders, positions, powers, resources, channels, windows, technology constraints/enablers</p>
<p><u>LEVEL 4:</u></p> <p>To be skilled in the practice or implementation of</p> <ul style="list-style-type: none"> • Have I applied my knowledge in this area? How did I apply it? • Was I able to improve a situation by applying my knowledge in this area? • Have I applied my knowledge more than once? • Did I learn new things about this area by applying my knowledge? 		<p>Technology and policy research projects: processes, content, role of committees, experts and their views, the National Research Council</p>
<p><u>LEVEL 5:</u></p> <p>To be able to lead or innovate in</p> <ul style="list-style-type: none"> • Have I ever lead an activity in this area? • Have I taught someone else about these topics? • Have I discovered new knowledge that has improved practices in this area? 		<p>Historical dimensions of science and technology (S&T) policy: national organizations, national innovation systems, origins of government support of S&T</p>
		<p>Impact of globalization on technology and policy: government reactions, business reactions, industrial dynamics</p>
		<p>Real-life practice of policy: who, what, why, where, when, how</p>
		<p>Current technology and policy issues: environment, transportation, information technology, and standards setting</p>
		<p>Policy memos: purpose, structure, content, length, style</p>
		<p>Policy research reports: purpose, structure, content, length, style</p>
		<p>Speaking for policy situations: purpose, structure, content, length, style</p>
		<p>Team work in policy: leading, facilitating, empowering, resolving conflicts, work breakdown structure, group time management</p>

ESD.10 Knowledge Self Assessment Worksheet

Name: _____

Date: _____

ESD.10 Knowledge Areas	Proficiency Level*
1. Policy goals	
2. Policy problem framing	
3. Policy solutions	
4. Policy analysis	
5. Technology and policy research projects	
6. Historical dimensions of science and technology policy	
7. Impact of globalization on technology and policy	
8. Real-life practice of policy	
9. Current technology and policy issues	
10. Policy memos	
11. Policy research reports	
12. Speaking for policy situations	
13. Team work in policy	
Total	
Average Level (Total divided by 13)	

*Proficiency Levels – See previous page for more details:

0. To have no exposure to or knowledge of
1. To have experienced or been exposed to
2. To be able to participate in and contribute to
3. To be able to understand and explain
4. To be skilled in the practice or implementation of
5. To be able to lead or innovate in

ESD.10 Classroom Personal Norms Assessment

On a scale from 1 to 5, where 1 is very uncomfortable and 5 is very comfortable, please rate yourself on the following items. Circle the number that best describes how you feel.

Items	Very Uncomfortable		Neutral		Very Comfortable
Disagreeing with the instructor	1	2	3	4	5
Disagreeing with my classmates	1	2	3	4	5
Using a laptop in class	1	2	3	4	5
Volunteering my thoughts in class, unless specifically called upon to speak	1	2	3	4	5
Taking credit for my contributions to group work	1	2	3	4	5

ESD.10 Knowledge Self Assessment and Classroom Personal Norms Assessment “Tear Out” Sheet

ESD.10 Fall 2006

Date: _____

Knowledge Self Assessment

ESD.10 Knowledge Areas	Proficiency Level*
14. Policy goals	
15. Policy problem framing	
16. Policy solutions	
17. Policy analysis	
18. Technology and policy research projects	
19. Historical dimensions of science and technology policy	
20. Impact of globalization on technology and policy	
21. Real-life practice of policy	
22. Current technology and policy issues	
23. Policy memos	
24. Policy research reports	
25. Speaking for policy situations	
26. Team work in policy	
Total	
Average Level (Total divided by 13)	

Classroom Personal Norms Assessment

Items	Very Uncomfortable		Neutral		Very Comfortable
Disagreeing with the instructor	1	2	3	4	5
Disagreeing with my classmates	1	2	3	4	5
Using a laptop in class	1	2	3	4	5
Volunteering my thoughts in class, unless specifically called upon to speak	1	2	3	4	5
Taking credit for my contributions to group work	1	2	3	4	5

