Management/Supervisory Development Program

Spring 2010

#### What is the assessment?

Part 1- Indirect Assessment: Student feedback

In early April, an electronic survey was sent to 2009 recipients of the MSD AAS Degree (25) and also to recipients of the MSD Professional Program Awards (85) regarding their perspectives on their critical thinking skills as impacted by completing MSD Courses. Responses were compiled and reviewed by the SAC.

Part 2 – Direct Assessment: SAC evaluation of student artifacts

During April, 4 faculty members applied a *critical thinking rubric* to student artifacts collected from MSD 279, MSD 130, MSD 105, MSD 110, MSD 157, and MSD 198B. Results were compiled, reviewed, and will be shared with faculty. Action plans will be developed if need is determined based on review.

#### What is the purpose of the assessment?

- The Survey: To measure whether students, upon completion of an 18 credit hour MSD Program Award and/or the AAS degree, feel they have learned to use Critical Thinking and Problem Solving - in order for the SAC to determine whether the Program outcomes are appropriate guides for teaching these skills.
- The Artifacts: To assess whether students demonstrate critical thinking in their individual artifacts in order to see:
  - how the MSD program is doing in helping students achieve the PCC Core outcome.
  - how the individual courses are helping students achieve this outcome.

#### Who is the intended audience of the assessment?

 The audience is varied. Audience for the survey results: SAC, Faculty, Management. Audience for the artifact review: SAC, Faculty, Management. (future potential audience = students & employers).

### How will the results of the assessment be presented to the intended audience?

 The results will be presented to SAC and staff using PowerPoint slides showing visual comparisons of the survey results. The slides will be available on our MSD Faculty Groups page. Discussion prior to the next SAC meeting will be by email.

#### What definition of critical thinking are you using?

- The ability to analyze, interpret, evaluate, infer, explain, and solve workplace problems or issues in the context of a supervisory perspective.
  - Identify and investigate problems.
  - Evaluate information and its sources.
  - Use appropriate methods of reasoning to develop creative and practical solutions to personal, professional and community issues.

### How does this assessment **integrate** with other teaching strategies or assessment strategies?

- The survey will provide student self-assessment feedback regarding the program as a whole. Results can be reviewed alongside course evaluations for an overview of students' perspectives.
- The artifact review will provide additional –external- feedback for the faculty of each of the 6 classes plus provide a tool for faculty to assist students in measuring their own achievement of the core outcomes. Concepts from the assessment rubric can be incorporated into class assignment rubrics.

Ideally, **how often** should this assessment be implemented, given your purpose?

- Survey of AAS and Program Award recipients will be ongoing the Awards can be issued at the end of every term, so the survey could be sent within a month of issuance.
- Artifacts will be collected during the year and reviewed in the Spring.
  - These assessments can be modified to focus on each particular core outcome, or the survey could potentially include questions regarding each of the core outcomes.
  - The artifacts could be compared to a rubric for each core outcome, one per year.

Mapping Level Indicators: Most MSD Courses = Level 3

- 0. Not Applicable.
- 1. Limited demonstration or application of knowledge and skills.
- 2. Basic demonstration and application of knowledge and skills.
- 3. Demonstrated comprehension and is able to apply essential knowledge and skills.
  - Identifies and addresses the validity of key assumptions that underlie the issue.
  - Examines the evidence and source of evidence.
  - Relates cause and effect.
  - Illustrates existing or potential consequences.
  - Analyzes the scope and context of the issue including an assessment of the audience of the analysis.
- 4. Demonstrates thorough, effective and/or sophisticated application of knowledge and skills.

http://www.pcc.edu/resources/academic/core-outcomes/msd.html

# Results! Using the rubric...

#### Critical Thinking Rubric

For each of the four criteria below, assess the work by circling a numeric score. Insert each score in the Overall Rating table below.

# Adapted from Washington State University's rubric for Critical Thinking

Critical Thinking Outcomes	Emerging	Developing	Mastering
_	1 2	3 4	5 6
Anticipates, identifies, and	Does not attempt or does not	Summarizes issue, though some	Clearly identifies and
summarizes issue as well as	identify and summarize	aspects are incorrect or confused;	summarizes the challenge and
potential problems and	accurately. No consideration of	nuances and key details are	embedded or implicit aspects of
consequences.	potential problems or	missing or glossed over. Minimal	the issue. Identifies integral
	consequences.	anticipation of problems or	relationships essential to
This dimension focuses on task or .		consequences.	analyzing the issue.
issue identification, including		14.1	Anticipates and predicts
embedded or implicit aspects of an			potential problems and
issue and the relationships integral			corresponding consequences:
to effective analysis			
Presents, assesses, and analyzes	No evidence of search, selection	Demonstrates adequate skill in	Evidence of search, selection,
appropriate supporting	or source evaluation skills.	searching, selecting, and	and source evaluation skills;
data/evidence.	Repeats information without	evaluating sources to meet the	notable identification of
	question or dismisses evidence	information need.	uniquely salient resources.
This dimension focuses on evidence	without adequate justification.	Appropriate data/evidence or	Examines the evidence and
of search, selection, and source	Does not distinguish among fact,	sources provided to meet the	source of evidence; questions its
evaluation skillsincluding accuracy,	opinion, and value judgments.	information need, though little	accuracy, relevance, completeness.
relevance and completeness. High	Data/evidence or sources are	evidence of more than routine	Information need is clearly
scores provide evidence of bias	simplistic, not on topic or are	exploration.	defined, related, and well
recognition, causality, and effective	inappropriate.		integrated to meet and exceed
organization.			assignment or course interests.
Identifies and assesses conclusions,	Fails to identify conclusions.	Conclusions consider or provide	Identifies, discusses and extends
implications, and consequences.	implications, and consequences	evidence of consequences that	conclusions, implications, and
,	or conclusion is simplistic	extend beyond the borders of	consequences considering
This dimension focuses on	summary.	single discipline or single issue.	context, assumptions, data, and
integrating previous dimensions and	Conclusions presented as	Presents implications that may	evidence.
extending them as they explicitly &	absolute and may attribute	impact other people or issues.	Conclusions qualified as the best
implicitly resolve in consequences.	conclusion to external authority.	Presents conclusions as relative	available evidence within the
Well developed conclusions	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	and only loosely related to	given context; clear ties to and
summarize and establish new		consequences. Implications may	consideration of consequences.
directions for consideration in light	.*	follow with vague reference to	Implications are clearly
of the evidence.		conclusions.	developed.
Communicates effectively.	In many places, language	In general, language does not	Language clearly and effectively
	obscures meaning.	interfere with communication.	communicates ideas. May at
This dimension focuses on the	Grammar, syntax, or other errors	Errors are not distracting or	times be nuanced and eloquent.
presentation. If written, it is	are distracting or repeated. Little	frequent, although there may be	Errors are minimal. Style is
organized effectively, cited	evidence of proofreading. Style is	some problems with more difficult	appropriate for audience.
correctly; the language use is clear	inconsistent or inappropriate.	aspects of style and voice.	Organization is clear; transitions
and effective, errors are minimal,	Work is unfocused and poorly	Basic organization is apparent;	between ideas enhance
and the style and format are	organized; lacks logical	transitions connect ideas, although	presentation. Consistent use of
appropriate for the audience.	connection of ideas. Format is	they may be mechanical. Format is	appropriate format. Few
	absent, inconsistent or	appropriate although at times	problems with other parts of
	distracting. Few sources are cited	inconsistent. Most sources are	presentation. All sources are
. "	or used correctly.	cited and used correctly.	cited and used correctly.

Criteria	Score
Anticipates, identifies, and summarizes issue as well as potential problems and	
consequences.	
Presents, assesses, and analyzes appropriate supporting data/evidence.	
Identifies and assesses conclusions, implications, and consequences.	
Communicates effectively.	

## MSD Program Assessment of Student Artifacts 6 individual course results (specific scores from 4 reviewers)

	Eleme	ents of Core	Out	come for	Critic	al Thinking			
Courses	Antic	ipates	Pres	ents	Iden	tifies	Comn	nunicates	Average
MSD105	3,	4	3.	4	4.	5	3,	4	
	5	5	6	3	6	4	5	6	4.4
MSD110	3	4	4.4	4.	4.4	4.	4	5	
	6	5	5	5.	6	5	5	4	4.6
MSD130	5	3	4	3	5	4	4	4	4.0
	4	4	3	4	5	4	4	4	4.0
MSD 157	4	3	2	1.	3	3.	3	4	
	3	3.	2	3	2	3	4	3	3.0
MSD198B	. 141	11	2	11	3	3.	4.	4.	2.8
	2	3	3	2	2	3	3	4	2.0
MSD 279	4	6	4.	1	2	3	4.	4.	2.4
	5	4	2	. 3	3	2	3	4	3.4
Average		3.8		3.0		3.7		4.0	

## MSD Program Assessment of Student Artifacts 6 individual course results

(average scores from 4 reviewers)

Critical Thinking & Problem Solving Core Outcome	MSD 105 (3 cr)	MSD 130 (3 <u>cr</u> )	MSD 279 (4 <u>cr</u> )	MSD 110 (1 <u>cr</u> )	MSD 157 (1 <u>cr</u> )	MSD 198B (1 cr)
Anticipates	4.3	4.0	4.8	4.5	3.3	2.5
Presents	4.0	3.5	2.5	4.5	2.0	2.0
Identifies	4.8	4.5	2.5	4.8	3.0	2.8
Communicates	4.5	4.0	3.8	4.5	3.5	3.8
Average	4.4	4.0	3.4	4.6	3.0	2.8

#### MSD Program

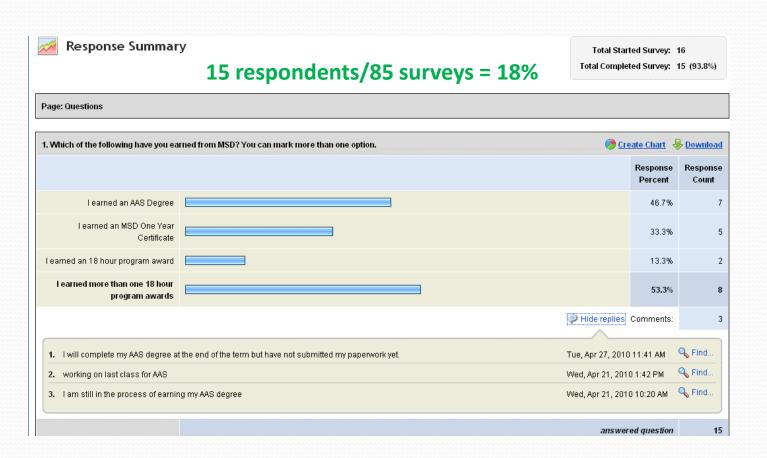
#### Overall Rating of 6 Student Artifacts

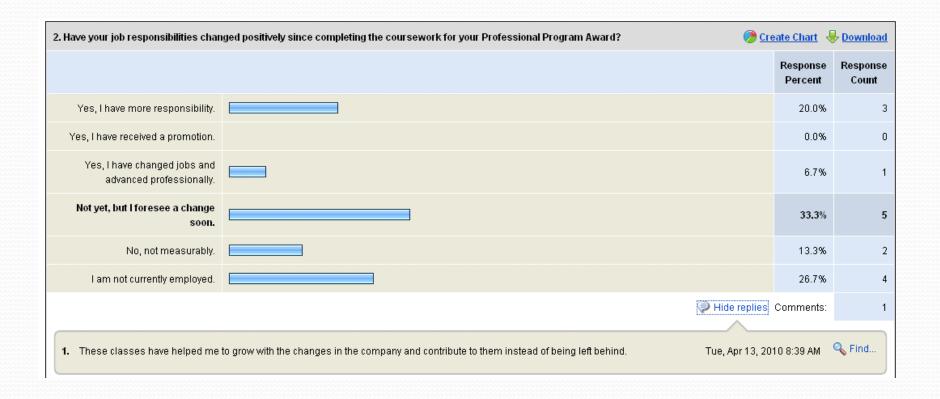
Critical Thinking Criteria	Score
Anticipates, identifies, and	3.8
summarizes issue as well as	
potential problems and	
consequences.	
Presents, assesses, and analyzes	3
appropriate supporting	
data/evidence.	
Identifies and assesses	3.7
conclusions, implications, and	
consequences.	
Communicates effectively.	4
Average	3.6

Rubric category:

"Developing"

# Results! Using the survey...





3. The PCC Core Outcome for Critical Thinking describes Critical Thinking in the following way: Identify and investigate problems, evaluate information  eractical Chart						
		Response Percent	Response Count			
I developed solid critical thinking skills that make me feel confident.		53.3%	8			
I developed good critical thinking skills that help my confidence.		46.7%	7			
I still need to develop confidence in my critical thinking skills.		0.0%	0			
My critical thinking skills need a lot of work.		0.0%	0			
		Comments:	0			
	answered question					
	skipped question					

4. Critical Thinking Outcome: Anticipates Problems Which response most closely represents how you anticipate potential problems in work assignments, questions, or issues?						
		Response Percent	Response Count			
I think ahead and anticipate and predict what problems and consequences might arise.		46.7%	7			
l usually can anticipate or predict potential problems and consequences.		60.0%	9			
l can sometimes anticipate or predict potential problems if I have help.		0.0%	0			
I have a hard time predicting what problems might arise.		0.0%	0			
		Comments:	0			
	answer	ed question	15			
	skipp	ed question	1			

5. Critical Thinking Outcome: Identifie actions when first faced with a work		Create Chart	<u>Download</u>
		Response Percent	Response Count
I can clearly identify and summarize integral relationships essential to analyzing a work assignment, problem, or question.		60.0%	9
I can usually identify the challenge and the implicit aspects of the problem or assignment.		53.3%	8
I can summarize the issue, though some aspects, nuances, and key details may be missing or glossed over.		0.0%	0
I sometimes fail to identify and summarize the assignment accurately.		0.0%	0
		Comments:	0
	ansv	ered question	15
	s and investigates relevant information needed for work assignments, questions, or problems. Which response 🥠 nd relevant information to inform your decisions?	Create Chart	<u>Download</u>
		Response Percent	Response Count
I know where to go to find the relevant information needed to make informed decisions.		93.3%	14
I usually find relevant information to inform my decisions.		6.7%	1
I can find good information and use it to inform my decisions if I have help.		0.0%	0
I usually make decisions based on what appears obvious in assignments/problems/questions.		0.0%	0
		Comments:	0
		ered question oped question	15

	s, and evaluates information and sources. Which response best describes how you investigate and examine the <u>() Cre</u> when considering a work assignment, question, or problem?	ate Chart 🤚	Download
		Response Percent	Response Count
I thoroughly examine the information and sources of evidence, and question accuracy, relevance, and completeness.		33.3%	5
I examine the information and sources, and often question accuracy, relevance, and completeness.		66.7%	10
I scan the information and sources, and review the accuracy, relevance, and completeness when requested.		0.0%	0
I tend to accept information and sources at face value unless otherwise instructed.		0.0%	0
		Comments:	0
_	es and assesses solutions, conclusions, implications, and consequences. Which response most closely sing and selecting solutions to work assignments, problems, or issues?	ate Chart 🤚	Download

	s and assesses solutions, conclusions, implications, and consequences. Which response most closely <u>Or</u> ci sing and selecting solutions to work assignments, problems, or issues?	eate Chart 🤚	<u>Downloa</u>
		Response Percent	Respons Count
I identify, assess, and expand on solutions, conclusions, implications, and understand potential consequences.		53.3%	
I usually identify and assess appropriate solutions or conclusions, and identify the implications and potential consequences.		46.7%	
I can identify and assess appropriate solutions or conclusions if I have help.		0.0%	
I usually try the first solution identified and hope for successful consequences.		0.0%	
		Comments:	
	answer	ed question	
	skipp	ed question	

9. Wh	at else would you like to tell us about your experiences in the MSD program?	,	<b>Download</b>
			Response Count
		Hide replies	15
1.	Wonderful program and I believe though this is not my primary degree the core of this program has help strengthen and solidify my analytical process and will be a great addition to any other course I choose to follow. I appreciate everyone involved and wish you all the best. Thank you! -Clinten Schmidt	Mon, May 3, 2010 12:45 PM	C Find
2.	It is a great program!	Tue, Apr 27, 2010 11:41 AM	🤏 Find
3.	Learning a lot of valuable information that I can take with me anywhere I go!	Mon, Apr 26, 2010 11:58 AM	Find
4.	It has been rewarding taking these classes.	Fri, Apr 23, 2010 4:39 PM	Find
5.	fast and fairly easy program	Wed, Apr 21, 2010 1:42 PM	Find
6.	I have really enjoyed all the MSD courses I have taken. I would recommend this program to anyone.	Wed, Apr 21, 2010 10:20 AM	Find
7.	Joe Wright has been of great assistance in helping me as an advisor.	Fri, Apr 16, 2010 4:21 PM	Find
8.	I thought the experiance was a very positive one. Each of the instructors is wonderful, and allow you to learn in a safe environment. If I had know before starting on my path in the BIT program, I would have started this program and had no bad taste in my mouth. Kudos to all of the MSD instructors.	Fri, Apr 16, 2010 12:19 PM	C Find
9.	Good way to learn issues that may arise from lack of, poor, or mis- communication.	Fri, Apr 16, 2010 7:19 AM	Find
10.	It has been one of the most rewarding experiences that I have had. I learned so much and am glad I took this at the age range I am (45) because I got more out of the experience and learning that what I would have in my earlier years.	Thu, Apr 15, 2010 4:56 PM	Find
	I also appreciate the MSD instructors and Carmen is wonderful. I always had my questions answered in a very short time. I would also like to thank Joe Wright for letting me know that I could get my BA through Eastern Oregon University completely online. I had no idea that was an option. Keep up the good work on what you are doing with this program.		
11.	This is a great program for those who are looking to achieve a degree in management and supervision.	Tue, Apr 13, 2010 8:39 AM	Find
12.	Overall it has been a good experience, I just wish more of the credits were transferable towards private schools such as Pacific University.	Sun, Apr 11, 2010 10:45 AM	Find
13.	Every class that I have taken in the MSD group has held some valuable piece of information or a pleasant surprise that may or may not have had anything to do with the title of the class. Ive had super knowledgeable instructors and have appreciated the efforts of everyone involved (that includes me!).	Sat, Apr 10, 2010 2:50 PM	SFind
14.	Nothing.	Thu, Apr 8, 2010 6:47 PM	Find
15.	Nothing at this time	Thu, Apr 8, 2010 11:37 AM	🤏 Find

## Conclusions!

#### **Conclusions**

- Results were not available prior to the SAC meeting so SAC members have not seen them yet.
- Preliminary conclusions:
  - The MSD program is meeting expectations for helping students achieve the core outcome for Critical Thinking & Problem Solving.
  - SAC members may need to revisit how certain courses could do a better job of helping students meet the core outcome.