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Peer Observation and Evaluation Tool (POET): A Formative Peer **Review Supporting Scholarly Teaching**

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Peer Observation and Evaluation Tool (POET): A Formative Peer Review Supporting Scholarly Teaching

Abstract

The Peer Observation and Evaluation Tool (POET) is a valid and reliable measure developed for formative peer evaluation of pharmacy faculty. The authors replicated a study conducted on the POET in pharmacy in order to report the instrument's validity and reliability in occupational therapy and to explore its potential as a formative teaching evaluation for occupational therapy educators. To verify item importance, seven participants from the faculty in an occupational therapy department rated each item. To establish inter-rater reliability, the participants evaluated one videotaped 55 min lecture. The POET was reliable with ICC at 0.93. There were high levels of agreement with the importance ratings among the participants with all scales. The POET appears to be a valid and reliable formative measure of teaching. At a time of significant change in the level of occupational therapy education, this measure may be an important support for scholarly teaching in two ways: First, this measure offers several opportunities to document the instructor's strengths and, second, it offers the instructor suggestions about ways to improve teaching quality. Finally, the POET may facilitate faculty professional growth and development through systematic, strategic, and constructive peer review feedback.

Keywords

Peer review; education; occupational therapy; scholarship

Credentials Display and Country

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Background and Literature Review

Scholarly teaching, often associated with the scholarship of teaching and learning (SoTL), is an important concept, and, to varying degrees, is expected of faculty in all occupational therapy education programs (American Occupational Therapy Association [AOTA], 2009). Since Boyer's 1990 report, Scholarship Reconsidered: Priorities of the Professorate, a number of researchers have discussed the features of scholarly teaching and of the SoTL (Glanville & Houde, 2004; Glassick, 2000; Grise-Owens, Owens, & Miller, 2016; Spake & Salem, 2005). However, the literature does not always clearly distinguish between the two. Therefore, for the purpose of this paper, scholarly teaching is defined as scholarship that meets the following criteria:

- The work must be made public.
- The work must be available for peer review and critique according to accepted standards.
- The work must be able to be reproduced and built on by other scholars.
 (Glassick, 2000, p. 879)

Compared to the SoTL, scholarly teaching has a critical but narrow focus. For example, Potter and Kustra's (2011) definition of scholarly teaching, similar to Boyer's, is "teaching grounded in critical reflection using systematically and strategically-gathered evidence, related and explained by well-reasoned theory and philosophical understanding, with the goal of maximizing learning through effective teaching" (p. 3). The two concepts can be distinguished by the

3). The two concepts can be distinguished by the type of faculty position: A tenure-track position

with an emphasis on teaching may require faculty to show evidence of the SoTL, which would include scholarly teaching, while a tenure-track position with an emphasis on research may require faculty to show evidence of scholarly teaching but not of the SoTL, as their tenure-track scholarship requirements would likely be met through research.

Evaluation of scholarly teaching is a common practice in virtually all occupational therapy academic settings. For example, the Accreditation Council for Occupational Therapy Education (ACOTE) (2015) requires faculty who are teaching two or more courses to show evidence of teaching effectiveness—often through teaching evaluations. At the authors' educational institution, faculty on tenure or clinical tracks, no matter what area they chose for excellence, must meet at least "satisfactory" standards in teaching. While high standards for teaching performance are ubiquitous among occupational therapy and other health care professions, the practice of evaluating teaching varies, as does the purpose, and there is little agreement in the profession about the most effective approach to evaluating teaching (Papay, 2012).

The 2008-2009 Task Force for the Recognition of Teaching Excellence report from the American Association of Colleges of Pharmacy (Hammer et al., 2010) offers an excellent overview of the various approaches to evaluating teaching. It states that the process

must be systematic, sound in theory and practice, manageable to implement, and well understood by faculty members. Important elements in the process include classroom observation, observer training, experience

with the forms used, and review of course materials before the observation. (Hammer et al., 2010, p. 5)

The approach to evaluating faculty teaching

may be summative (typically assessing the outcome of teaching or the students' learning) and/or formative (typically assessing the process of teaching) (Appling, Naumann, & Berk, 2001; Worrell, Everly, Hamant, & Kiel, 1999). Evaluations may be regularly scheduled or ad hoc (Hubball & Clarke, 2011), and the settings of the evaluations may include classrooms, clinics, or labs (Fernandez & Yu, 2007). In addition, the evaluation instruments vary widely from teaching checklists or rubrics (Wiese et al., 2007) to videotaped lectures (Barber, 1992; Green, Ellis, Frémont, & Batty, 1998) to self-evaluations (Bryan, Krych, Carmichael, Viggiano, & Pawlina, 2005). Whatever form the teaching evaluations take, they are often intended to show teaching effectiveness, and faculty are typically expected to document incremental progress toward improving teaching approaches (ACOTE, 2015; Commission on Institutions of Higher Education, 2011; Papay, 2012).

Peer teaching review is a common element of scholarly teaching evaluation. The reviews are sometimes part of a faculty member's larger teaching portfolio (Kreeber, 2006) or imbedded in a larger evidence-based teaching evaluation program (Hansen et al., 2007). Peers may review "faculty members' facilitation of the learning process for learners and their demonstrated commitment to the educational mission of the department"

p. 430). Or, peer teaching reviews can be used as a tool for continuous instructional improvement (Papay, 2012). Regardless of the rigor of or approach to the review, at many universities and colleges the outcome of virtually any of these reviews can influence whether a faculty member is promoted, gains tenure or a long-term contract, or receives an award or another form of scholarly acknowledgment (Fincher et al., 2000).

The literature suggests that peer teaching review can be formally or informally done by classroom observation, and that the reviews may contribute to the development of teaching portfolios, comprise part of the mentoring process, or serve as the basis of external reviews from intercampus sources, such as centers for the scholarship of teaching and learning (Worrell et al., 1999). Despite the many forms peer teaching reviews may take, few of the methods appear to be valid or reliable measures of teaching effectiveness (Bernstein, 2008; Brown & Ward-Griffin, 1994).

Any form of peer teaching review can be biased (Lee, Sugimoto, Zhang, & Cronin, 2013). Consequently, there is a need for valid and reliable formative teaching evaluations. This study replicated a prior study in pharmacy of the Peer Observation and Evaluation Tool (POET, Northeastern University Department of Pharmacy Practice © 2007) (Trujillo et al., 2008), which demonstrated the tool to be a valid and reliable measure of lecture-based classroom teaching in a pharmacy program. The aim of the current study was to evaluate the use of the tool in an occupational therapy education setting.

The POET, a formative teaching evaluation, was identified as having promise in what Papay (2012) expressed as "a key purpose to teacher evaluation: to improve instruction by developing teachers' instructional capacity and effectiveness" (p. 133). Furthermore, the POET meets many of the 2008-2009 Task Force for the Recognition of Teaching Excellence recommendations for effective teaching evaluations (Hammer et al., 2010). A task force from the Northeastern University Department of Pharmacy Practice developed the POET. The development process included 10 phases that culminated in the instrument. The POET contains 39 ranked items divided into four sections (preobservation meeting, classroom observation, postobservation meeting, and postobservation assessment). The same 39 items were used in this current study (see Appendix).

Working under the assumption that the content of the POET includes effective teaching standards, the authors identified the following objectives for this study:

- 1. To establish the content validity as reflected by measuring agreement of POET items
- by occupational therapy faculty.
- 2. To establish the reliability of the POET for use in an occupational therapy classroom as reflected by an acceptable interclass correlation (ICC) following the view of a videotaped lecture.
- 3. To discuss the faculty professional development benefits of the POET.
- 4. To explore inter-professional collaboration opportunities for the SoTL.

Method

This study explored the psychometric properties of the POET using occupational therapy faculty. It is a replication of the study published by Trujillo and colleagues (2008) and was approved by the Indiana University IRB # 1304011140.

Participants

Eight occupational therapy core faculty at a research university were eligible to participate in this study. Participation was voluntary, yet motivation was strong, as performance expectations require all faculty to participate in systematic reviews of teaching. Faculty who declare teaching as their area of excellence are specifically challenged to show incremental changes based on regular (usually yearly) evaluations of their teaching. The faculty were given the IRB-approved study information sheet at a regularly scheduled faculty meeting. Explicit agreement to participate was assumed if the faculty member arrived at the stated location ready to complete the study procedures. Seven faculty members participated in the study.

Instrumentation

The POET was the main instrument used in this study.

Demographic Survey

Demographics were collected for informational purposes and were not included in the analysis (see Table 1).

Table 1 *Demographics*

3 O O							
Gender							
	Male	3	43%				
	Female	4	57%				
Ethnicity							
	Caucasian	6	85%				
	Asian	1	15%				
Years in A	cademia						
	mean	20.1					
	range	8-40					
Areas of I	Expertise						
	Driving						
	Mental health						
	Management						
	Pediatrics						
	Older adults						
	Hand - UE						
	rehabilitation						
	Cognition						
	Evidence-base	ed practice					

The POET is a formative evaluation designed to provide information about a broad range of topics, from why the lecture is situated in a particular place in the curriculum to how the instructor managed the classroom environment. During the preobservation (Phase 1), the instructor provides the reviewer with the lecture materials and handouts and reviews the teaching pedagogy specific to the lecture to be observed. The reviewer may ask clarifying questions about the instructor's goals for the lecture and how the instructor intends to reach those goals. Then, the reviewer observes the entire lecture (Phase 2). After the observation, the reviewer meets with the instructor two times: once to discuss the instructor's self-reflection about the observed session (Phase 3), and once to offer the instructor possible recommendations (Phase 4) (see

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Appendix).

The POET authors (Trujillo et al., 2008) reported interclass correlation coefficients for eight observed lectures individually. The overall coefficients ranged from 0.66 to 0.97 for all lectures. During the testing, three raters were present for seven lectures. The authors reported comparisons between rater ICCs ranging from 0.43 to < +0.98. All but three were statistically significant with p < 0.01. The authors reported comparisons between rater ICCs ranging from 0.43 to 0.98. All but three were statistically significant with p < 0.01.

Content Validity Form

All of the three subsections (located in Phase 2)—content, teaching strategies and presentation skills, and classroom climate—of the POET (n = 27) were listed along with the request to rank each on a 4-point Likert scale. The scale choices were *not important*, *somewhat important*, *important*, and *essential*.

Procedures for the Current Study

When the participants entered the room, the researchers requested that they spread out so that they were not seated directly next to each other. One of the researchers provided a short introduction to the POET and to the process of a formative evaluation. The participants were allowed to ask questions. The participants then completed the demographic survey and the content validity form. The participants used the content validity form to identify which POET items they agreed were essential aspects of teaching. A researcher collected the forms. The participants were then given the POET Observation Form (see Appendix). After a researcher explained the process of completing the

form, the participants proceeded to complete the form while watching a 55 min videotaped lecture. At the completion of the videotape, the participants were given a few minutes to complete the rating forms. No discussion was allowed during this time. After the researchers collected all of the observation forms, the participants completed the second content validity form. The participants were then thanked for their participation and invited to leave. One week later, when the preliminary results were available, the participants were asked at a regularly scheduled faculty meeting to (a) give input on items in which there was variable rater agreement and (b) discuss the implications for using the POET in the occupational therapy department.

Confidentiality

All of the forms were coded and no names were used. Due to a small sample size, demographic information was used for descriptive purposes and not in the analysis, thus assuring no results could be attributed to a certain individual.

Data Collection and Analysis

To verify item importance, the seven participants rated each item. To establish inter-rater reliability, the participants evaluated one videotaped 55 min lecture. Inter-rater reliability was evaluated using ICC. The consistency type ICC analysis was used to determine average measure reliability (and to replicate Trujillo). Interclass correlation coefficients were computed for the overall

classroom observation component of the lecture as well as for the three subsections: content, teaching strategies and presentation skills, and classroom climate. Statistical significance of the proportion of variance that is systemic was set at p < 0.05. SPSS version 21 (Chicago, IL) was used to compute all data.

Results

The first objective was to establish the content validity by measuring the participants' agreement of the POET items. Content validity was measured by importance ratings assigned by the participants to the various items of the POET evaluation taken before and after watching the videotaped lecture. The teaching items comprise the majority of the POET observation ratings. Table 2 shows mean ranks of items before watching the videotaped lecture of 2.3 and following the lecture; 2.48 showed no significant difference. Both mean ratings fell at the mean of possible ratings of 1-4, with a range of 3.14 - 1.43 before and 3.14 - 1.29 after. There was a notable difference of up to 26 points in the importance of the item: "Depth of material presented appears appropriate to type of course and student level." Twelve items moved up in importance, five stayed the same, and seven items moved down in importance.

A conservative Friedman's Test found no difference overall for the pre and postratings (see Table 3).

Table 2Impact of Observed Lecture on Perceived Importance of Ratings Organized by Difference Scores

	Befor	e video	After	video	
POET Questions on content of Teaching	Mean Rank	Mean Rating	Mean Rank	Mean Rating	Difference scores
posttest - # 2, Depth of materials appropriate to type of course and student level	28	2.00	2	3.14	26
posttest - # 18, The instructor makes connections with prior learning within curriculum	25	2.14	10	2.71	15
posttest - # 11, Breadth of material appropriate dedicated to this topic	17	2.57	3	3.14	14
posttest - # 24, The instructor encourages critical thinking	20	2.29	9	2.71	11
posttest - # 20, The instructor emphasizes a conceptual grasp of the material	14	2.57	5	3.00	g
posttest - # 29, The instructor effectively uses audio/visual/learning aids	22	2.14	13	2.57	9
posttest - # 31, The instructor creates a classroom atmosphere conducive to learning	13	2.57	4	3.00	9
posttest - # 3, Breadth of materials time dedicated to this topic	9	2.71	1	3.14	8
posttest - # 27, The instructor uses class time efficiently.	23	2.14	15	2.57	7
posttest - # 6, The instructor establishes the relevance of information	18	2.43	12	2.57	6
posttest - # 19, The instructor makes references to the material taught previously	33	1.43	29	2.29	4
posttest - # 1, The instructor appears knowledgeable and up-to-date	4	3.00	6	3.00	2
posttest - # 5, The instructor provides an overview of what is planned for the class	27	2.00	27	2.29	(
posttest - # 8, The instructor is an effective communicator	11	2.57	11	2.57	(
posttest - # 12, Clear distinction between fact and opinion/ practice experience	34	1.43	34	1.71	(
posttest - # 21, Instructor provides periodic summaries and ties things together	32	1.57	32	2.00	(
posttest - # 30, Instructor emphasizes material likely or unlikely to be examined	35	1.43	35	1.29	(
posttest - # 4, Divergent opinions or conflicting views presented when appropriate	29	1.71	30	2.14	-1
posttest - # 16, The instructor explains content clearly, providing examples when appro	5	2.86	7	2.86	-2
posttest - # 17, The instructor is an effective communicator	15	2.57	17	2.57	-2
posttest - # 14, The instructor provides an overview of what is planned for the class	21	2.29	24	2.43	-3
posttest - # 26, The lecture remains focused on its objectives	24	2.14	28	2.29	-4
posttest - # 28, Questions are welcomed and responded to in a professional manner	10	2.71	14	2.57	-4
posttest - # 34, The instructor demonstrates flexibility to student concerns or interests	12	2.57	18	2.43	-6
posttest - # 15, The instructor establishes the relevance of information	16	2.57	23	2.43	-7
posttest - # 22, The learning activities are well organized	2	3.14	16	2.57	-14
posttest - # 33, The instructor reacts to student behavior issues appropriately	1	3.14	19	2.43	-18
posttest - # 23, Breadth of materials appropriate for this topic	3	3.00	22	2.43	-19

Note. Mean rating is based on range of 1-4 for each item with 1 = not important, 2 = somewhat important, 3 = important, to 4 = essential. Shaded area includes items not impacted by the viewing of the lecture.

Table 3 *ANOVA with Friedman's Test*

df	Mean Square	Friedman's Chi- Square	Significance
6	333.476		
1	28.571	0.769	0.380
1	20.249	0.479	0.520

The second objective was to establish the

reliability of the POET for use in an occupational https://scholarworks.wmich.edu/ojot/vol4/iss3/9

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therapy classroom as reflected in the consistency of the ratings between the seven participant raters. The inter-class correlation (ICC) for all items is excellent at 0.93. The three sections varied (0.82 - 0.88) with both the content items and the classroom climate items showing a strong ICC of 0.82. The teaching items alone showed strong reliability (0.88) (see Table 4).

Table 4 *Reliability as Reflected by Interclass Correlations*

		95% Confid	lence Interval	Interval F Test with True Value 0					
Observation Reliability	Intraclass Correlation ^a	Lower Bound	Upper Bound	Value	df1	df2	Sig		
Content items	0.875	0.441	0.991	8.000	3	12	0.003		
Teaching items	0.815	0.372	0.987	5.419	3	48	0.003		
Classroom climate items	0.815	.404	.964	5.400	6	18	0.002		

The final objective was to discuss the faculty professional development benefits of the POET. Specific observation items from the POET that the participants chose to discuss are Item 4, "Divergent opinions or conflicting views presented when appropriate," and Item 30, "Instructor emphasizes which material students are likely or unlikely to be examined [sic]."

Item 4. Some raters indicated that this item is essential in lecture content delivery, while several raters identified this item as not important or somewhat important. In judging the importance of this item to classroom instruction, raters may have taken into account the extensiveness of professional standards that need to be covered in certain courses; therefore, faculty may have felt the level of practicality and performance skills in clinical practice might be valued more favorably in entrylevel professional curriculum than presenting divergent opinions and conflicting views.

Item 30. Discussion centered on how the professional school curriculum is likely to focus more on graduate-level performance skills and clinical reasoning. The comments from the faculty

related to the use of the POET in this curriculum centered around two themes: One, using the POET was time consuming, but given the high stakes for faculty, the lengthy process appeared to be worth the effort. Two, faculty noted the POET fosters an interactive evaluation of the instructor's teaching skills ranging from lecture content to the instructor's performance to managing the classroom environment

Discussion

This study sought to identify the degree to which the POET (Trujillo et al., 2008), a valid and reliable formative peer teaching review in a pharmacy program, would meet the needs of a peer teaching review of occupational therapy faculty. It is important that the POET was found to have both concurrent and content validity on "importance" ratings across all seven raters watching the same videotaped lecture. These and other results suggest that the POET may be helpful in identifying instructors' strengths and in providing constructive feedback that can support faculty professional development (Papay, 2012).

The results of this study also provided the opportunity to reflect more deeply on some interesting observed phenomena. For example, Item 2, "Depth of material presented appears appropriate to type of course and student level," was rated 28th, close to the bottom of the scale, before viewing the tape and 2nd after viewing the tape, a difference of 26 points. Item 23, "Breadth of material appropriate for the amount of time dedicated to this topic," was rated 3rd before viewing the tape and 22nd after viewing the tape, a difference of 19 points. This reordering happened independent of the means and ranges of importance assigned to individual items in the POET (see Table 2). These results may suggest the measure is highly sensitive to a videotaped lecture, which begs the question: Would the POET also be effective when observing lectures in person in the classroom?

Also, these results led the researchers to question the reordered ranking of the items. One possible reason for the reordered ranking is the lecturer satisfied the rater by covering the material sufficiently in breadth and insufficiently in depth or visa-versa. Either way, from the researchers' perspectives, that the participants reordered the rankings independently across raters is worth studying more carefully. From the faculty's perspective, these sorts of results could prompt discussion about the importance of the POET's various items to the overall curriculum design and about which POET items are most useful in peer teaching review and in supporting faculty professional development.

As the follow-up study (DiVall et al., 2012) suggests, the POET also fosters a balanced, https://scholarworks.wmich.edu/ojot/vol4/iss3/9 DOI: 10.15453/2168-6408.1273

interactive evaluation of the instructor's teaching skills, ranging from lecture content to the instructor managing the classroom environment. This process facilitates constructive feedback and offers several opportunities to document the instructor's strengths and to offer the instructor suggestions about ways to improve in all aspects of teaching. The results of this study suggest that the POET, as is, can be used in occupational therapy programs as a means of supporting and improving faculty teaching skills as well as documenting teaching skills for merit raises and promotion. Furthermore, given the POET was designed for pharmacy faculty and appears to be useful for occupational therapy faculty, further research is warranted to investigate the POET's applicability to occupational therapy and other professions, such a physical therapy or speech language pathology, for its potential to support faculty professional growth in specific professions and its likelihood for peer teaching review in interprofessional academic settings.

Limitations

In this replication of the study by Trujillo and colleagues (2008), only one videotaped lecture was evaluated. It is not possible, therefore, to make assumptions about the consistency of ratings across multiple videotaped lectures or about in-person observations of lectures. Faculty at this institution demonstrated consistent teaching standards even though the faculty represents divergent practice areas and spans years in ages and in experience in academia. Although the researchers recommend using the POET for faculty evaluation and teaching growth and development, it may be advisable to measure the internal consistency across faculty

raters, as faculty will conduct peer teaching reviews at different times. Finally, the discussion among faculty reflected that some faculty believed items were general enough to apply standards to reflect the higher order thinking needed for clinical reasoning while others were uncertain. As a result, some of the items in the POET may not be a good fit for all occupational therapy education teaching and learning objectives.

Conclusion

The authors of the POET (Trujillo et al., 2008) and of this study acknowledge that this formative system of peer teaching review is time consuming; however, given the high stakes for faculty, the process appears to be worth the effort. This is because evaluation of faculty teaching has essentially two overlapping purposes: to make decisions about the teaching effectiveness for the promotion and tenure process and to promote faculty growth and development in the SoTL over time (Bernstein, 2008; Boehm & Bonnel, 2010).

The POET offers both the instructor and the peer reviewer several opportunities to review the lecture content, the instructor's performance, the review results, and the instructor's reflections.

These are valuable aspects of the POET, as the indepth process facilitates peer teaching review over time and enables constructive feedback, offers several opportunities to document the instructor's strengths, and offers the instructor suggestions about ways to improve (Bernstien, 2008, Boehm & Bonnel 2010).

Implications for further research include reliability and validity testing in in-person classroom observations in occupational therapy and other health care professions, and to explore the reliability and validity of the POET in interprofessional teaching settings.

Implications for Occupational Therapy Practice

The results of this study suggest that the POET is a valid and reliable formative peer teaching review. Several implications for occupational therapy practice include:

- Occupational therapy faculty can use the POET to support and document teaching.
- The POET can support faculty development in teaching and classroom management.
- The POET can stimulate useful and important discussions among faculty about course content and professional development.
- Results of the POET may be used to provide evidence of effective teaching for promotion, tenure, merit raises, and other forms of faculty acknowledgment.

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Appendix Peer Observation and Evaluation Tool (POET)

Section 1: Pre-observation visit

The instructor should provide lecture materials (handouts, resources, etc.) at least 1 week prior to this meeting

		DNO	NSD	ND	Α	AW	Comments
1.	Lecture objectives are clearly stated in the handout/syllabus						
2.	Lecture objectives align with the overall course goals						
3.	Handout material appears to be relevant to lecture objectives						
4.	Lecture outline and organization are logical						
5.	Reading list is provided and relevant to lecture objectives						
6.	Planned in-class activities reflect appropriate lecture objectives						
7.	Planned assessment strategies are consistent with lecture objectives						
8.	Instructor appears well prepared for class						

Questions:

Why did you choose this lecture to be assessed? Is this the first time you are teaching this lecture? If no, what changes have you made to this lecture over the past few times you taught it?

What questions/concerns do you have? What would you particularly like feedback on? Are you interested in having an active learning inventory of your lecture completed?

What is your educational philosophy?

Where is similar content taught in the curriculum? Have you contacted other instructors to determine exactly what they cover? What impact has this had on your lecture and/or student outcomes?

How does this lecture's content fit within the entire course (e.g. one out of several lectures on the same topic)?

Have you planned any in-class learning activities? If yes, what lecture objectives will these activities meet? Share how these activities facilitate student learning.

What is your plan for assessing the content of this lecture?

DNO	Did not observe	either because was not in the class for the entire lecture duration or instructor did not do and it's not applicable
NSD	Needs significant development	the instructor did not do this and should consider adding
ND	Needs development	the instructor attempted to do this but development/ revision is necessary
A	Accomplished	minor improvements can be recommended
AW	Accomplished well	no recommendations for improvement

Section 2: Classroom Observation Items

	DNO	NSD	ND	Α	AW	Comments
Content						
The instructor appears knowledgeable and up-to- date about the content						
Depth of material presented appears appropriate to type of course and student level						
Instructor does not spen intellectual level of mate						iously taught in other courses; nt level
Breadth of material appropriate for the amount of time dedicated to this topic						
Instructor is able to go the appropriate for the time	hrough n	najority	of the m	naterial d	during th	ne class period. Amount of content
12. Clear distinction between fact and opinion/ practice experience						
		conser	sus sta	tements	, guidell	ines, expert opinion and personal
13. Divergent opinions or conflicting views presented when appropriate						
						es, clinical trials, practices
Teaching strategies, presentat	tion skil	ls, orga	<u>inizatio</u>	n, and o	<u>clarity</u>	
14. The instructor provides an overview of what is planned for the class period.						
 The instructor establishes the relevance of information 						
16. The instructor explains content clearly, providing examples when appropriate						
17. The instructor is an effective communicator						
instructor uses eye cont throughout the classrooi taking); the instructor en	act effec m; the in nphasize	tively; ti structor ss major	he instru employ points	uctor spo s an ap in the de	eaks cle propriat elivery c	ectively holds class attention; the early and loudly enough to be heard the rate of speech (e.g. for note of the content by pausing, raising the subject matter.

DNO	Did not observe	either because was not in the class for the entire lecture duration or instructor did not do and it's not applicable
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voice, etc.; the instructor is enthusiastic and confident on explaining the subject matter

The Open Journal of Occupational Therapy, Vol. 4, Iss. 3 [2016], Art. 9

	ine e						4, 155. 5 [2010], Art. 9
		DNO	NSD	ND	Α	AW	Comments
18. TI	he instructor makes						
co	onnections with prior						
le	earning within curriculum						
19. TI	he instructor makes						
re	eferences to the material						
ta	aught previously <u>within the</u>						
<u>C</u> (<u>ourse</u>						
	he instructor emphasizes a						
	onceptual grasp of the						
m	naterial						
							equired.; instructor points out practical
	applications of concepts; i	instructo	r sugge	sts ways	s to leari	n compli	cated ideas
	nstructor provides periodic						
	ummaries of the most						
	nportant ideas and ties						
	nings together at the end of						
tn	ne class				<u></u>	<u>, </u>	
00 T	Instructor makes appropri	ate trans	sitions b	y summ	arızıng ı	deas an	d welcoming questions
	he learning activities are						
W	rell organized	tivitio o v					to any siring ampropriate time to
	complete them, appropria						ts are given appropriate time to
22 In	nstructor's teaching	le discus	551011 at	ine ena	oi eacii	activity	lakes place.
	trategies facilitate student						
	earning						
10		esive de	evelonm	ent of co	ourse co	ntent an	nd involving active student learning
	and the application of stud						
	comprehension, application						taxonomy hiromoago,
24. TI	he instructor encourages	,	, - j,,,				
	ritical thinking						
		and ch	allengin	g questi	ons peri	odically:	classroom activities and outside
							liscuss or apply concepts during class
25. TI	he instructor effectively						
us	ses in class activities and						
Ol	utside assignments to						
ga	auge student progress						
							gnments supplement lecture content;
							dent engagement and is able to
							ts.; provides adequate time and
			or facilita	ates gro	up work	well, me	ediates discussion well, helps students
	apply theory to solve prob	lems					

DNO	Did not observe	either because was not in the class for the entire lecture duration or instructor did not do and it's not applicable
NSD	Needs significant development	the instructor did not do this and should consider adding
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Crabtree et al.: A Formative Peer Review Supporting Scholarly Teaching

		DNO	NSD	ND	Α	AW	Comments
					- 1		
26. The	lecture remains focused						
on it	ts objectives.						
		iect: doe	es not sp	end a c	onsidera	ble amo	unt of time on material not covered by
							the class back on the subject
27. The	instructor uses class						
time	efficiently.						
28. Que	stions are welcomed						
and	responded to in an						
effe	ctive and professional						
man	iner.						
	Instructor asks students pe	eriodicall	ly if anyc	ne has	question	s; repea	ts student questions and answers so
		uestions	s clearly	and tho	roughly,	and/or to	ells the class that he/she will research
	and follow up						
	instructor effectively						
	s audio/visual/learning						
	to accompany the						
	oal presentation						
							ible (appropriate font); contain same or
					ıate leve	el of deta	il; shows creativity (if applicable);
	board work (if used) is legi	ble and	organize	ed			
	ructor emphasizes which						
	erial students are likely						
	nlikely to be examined						
	om climate						
	instructor creates a						
	sroom atmosphere						
	ducive to learning						
		chable, c	comes to	class e	arly and	stays at	ter the class to talk to students and
	answer questions			ī			
	instructor encourages						
	lent participation		.,				
	Instructor encourages mult	tiple pers	spective	s.; stude	nts seer	n comto	rtable asking questions
	instructor reacts to						
	lent professional						
	avior issues						
	ropriately						
	instructor demonstrates						
	bility in responding to						
	lent concerns or interests	adverte d	-1:cc		-: (:	in all 1.1	
	•			,			al interests, abilities, and experiences;
		question	ıs ana c	orrirnent	s, active	ıy rieiptu	ıl when students need assistance.
	instructor treats						
	lents impartially and						
resp	ectfully.						

DNO	Did not observe	either because was not in the class for the entire lecture duration or instructor did not do and it's not applicable
NSD	Needs significant development	the instructor did not do this and should consider adding
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A	Accomplished	minor improvements can be recommended
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Section 3: Post observation meeting The instructor should be prepared to discuss items below at this meeting

How do v	vou	think	the	class	went?

Is there anything you wanted to accomplish but were unable to do so? If yes, what was it and was it critical? What would you do differently next time to accomplish it?

In your opinion what went really well? Can you provide evidence that it went well?

In your opinion what did not go well? Can you provide evidence that it did not go well?

For items on the pre-observation and classroom observation forms where you gave yourself a rating of "Needs Development" or "Need Significant Development" what are your plans for improvement?

Did the lecture affect or change your plans for assessment?

Did you collect student evaluations of this lecture? What did students report to be the most effective and least effective aspects of your lecture?

What other constructive feedback did you receive through student evaluations? How do you plan to address it?

DNO	Did not observe	either because was not in the class for the entire lecture duration or
		instructor did not do and it's not applicable
NSD	Needs significant development	the instructor did not do this and should consider adding
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Crabtree et al.: A Formative Peer Review Supporting Scholarly Teaching

Section 4: Post assessment meeting

(within 2 weeks of first major assessment)

The instructor should provide the original questions submitted for the exam, final version of exam questions if applicable, and results of any item analysis if available prior to this meeting.

	DNO	NSD	ND	Α	AW	Comments
36. The examination content is representative of the lecture content and objectives						
37. The tests used in the course have been well designed and selected						
The examination questions are clearly written.; the examination questions are of appropriate length and level of challenge; assessments include activities to assess higher order thinking						
38. Students are given ample time to complete the assignments and take-home examinations.						
39. The instructor determines the degree of mastery of lecture objectives						
Exam item analysis is performed						

Final Comments and Recommendations (limited to 2-3) will be provided in a letter form

Comments on classroom observation will be provided at the post-observation meeting Comments on assessment will be provided at the post-assessment meeting

DNO	Did not observe	either because was not in the class for the entire lecture duration or
		instructor did not do and it's not applicable
NSD	Needs significant development	the instructor did not do this and should consider adding
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