

# PHIL 3372 (04): Philosophy of Science

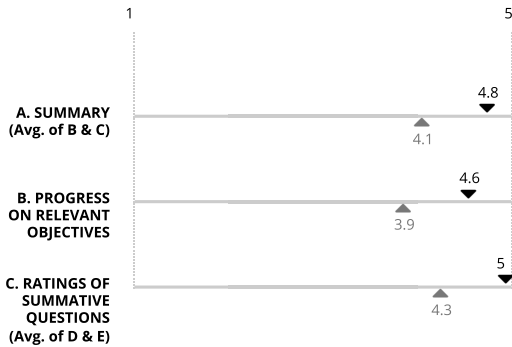
Fall 2019 | Thomas Brommage | Course CIP Code: 38.0101

29 | Students Enrolled  
 10 | Students Responded  
 34.48% | Response Rate

## Summative

▼ | Adjusted  
 ▲ | Raw  
 [ ] | 3 Point Plus/Minus

**Your Average Scores**  
5 Point Scale



**Your Overall Mean Ratings**  
5 Point Scale

Ratings of Summative Questions	Raw	Adj.
D. Excellent Teacher	4.4	5
E. Excellent Course	4.1	5

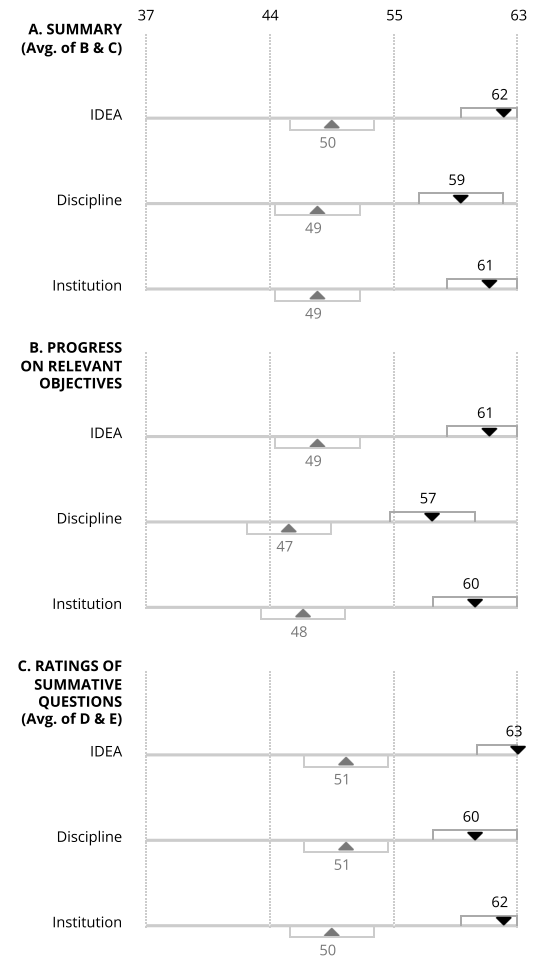
**Your Overall Converted Ratings**

Ratings of Summative Questions	Raw	Adj.
D. Excellent Teacher		
IDEA	52	61
Discipline	51	59
Institution	51	61
E. Excellent Course		
IDEA	49	65
Discipline	50	60
Institution	48	63

**Converted Average Buckets**  
Based on a Bell Curve

Much Lower (Lowest 10%)	Lower (Next 20%)	Similar (Middle 40%)	Higher (Next 20%)	Much Higher (Highest 10%)
37 or Lower	38 - 44	45 - 55	56 - 62	63 or Higher

**Your Converted Average**



Student Ratings of Learning on Relevant Objectives	Importance Rating	Your Average (5 Point Scale)		% of Students Rating		Your Converted Average					
		Raw	Adj.	1 or 2	4 or 5	IDEA		Discipline		Institution	
						Raw	Adj.	Raw	Adj.	Raw	Adj.
Gaining a basic understanding of the subject (e.g., factual knowledge, methods, principles, generalizations, theories)	I	3.9	4.5	20	70	45	58	45	55	45	57
Developing knowledge and understanding of diverse perspectives, global awareness, or other cultures	M	3.2	3.8	30	30	37	47	34	42	37	48
Learning to <i>apply</i> course material (to improve thinking, problem solving, and decisions)	M	4	4.8	10	70	48	64	49	60	47	61
Developing specific skills, competencies, and points of view needed by professionals in the field most closely related to this course	M	4	4.9	10	70	48	65	50	62	46	62
Acquiring skills in working with others as a member of a team	M	2.6	3.2	40	10	30	38	39	47	32	42
Developing creative capacities (inventing; designing; writing; performing in art, music, drama, etc.)	M	3.6	4.7	20	50	48	64	50	63	45	60
Gaining a broader understanding and appreciation of intellectual/cultural activity (music, science, literature, etc.)	I	3.5	4.2	20	50	45	56	43	52	43	54
Developing skill in expressing myself orally or in writing	I	4.1	5	0	70	53	68	53	65	51	66
Learning how to find, evaluate, and use resources to explore a topic in depth	M	3.9	4.6	20	80	49	62	50	60	48	60
Developing ethical reasoning and/or ethical decision making	M	3.8	4.6	10	60	48	61	43	54	48	61
Learning to <i>analyze</i> and <i>critically evaluate</i> ideas, arguments, and points of view	E	4.1	4.7	0	70	52	62	48	57	51	61
Learning to apply knowledge and skills to benefit others or serve the public good	M	3.6	4.5	20	50	43	58	44	56	44	58
Learning appropriate methods for collecting, analyzing, and interpreting numerical information	M	3.4	3.8	20	40	43	50	50	56	43	50

Course Description	Your Average	Your Converted Average		
		IDEA	Discipline	Institution
Amount of coursework	3.3	50	52	49
Difficulty of subject matter	4	62	60	62

Student Description	Your Average	Your Converted Average		
		IDEA	Discipline	Institution
As a rule, I put forth more effort than other students on academic work.	3.3	32	37	33
I really wanted to take this course regardless of who taught it.	2.7	29	35	32
When this course began I believed I could master its content.	3.1	28	37	31
My background prepared me well for this course's requirements.	2.8	30	39	31

**Formative**

Teaching Essentials	Your Average	Students Rating	Suggested Action
Made it clear how each topic fit into the course	4.4	0% (1 or 2) 80% (4 or 5)	You employed the method more frequently than those teaching classes of similar size and level of student motivation.
Explained course material clearly and concisely	3.8	0% (1 or 2) 50% (4 or 5)	You employed the method with frequency typical of those teaching classes of similar size and level of student motivation.
Introduced stimulating ideas about the subject	4.1	0% (1 or 2) 70% (4 or 5)	You employed the method with frequency typical of those teaching classes of similar size and level of student motivation.
Inspired students to set and achieve goals which really challenged them	3.9	10% (1 or 2) 60% (4 or 5)	You employed the method with frequency typical of those teaching classes of similar size and level of student motivation.

Reflective and Integrative Learning	Your Average	Students Rating	Suggested Action
Helped students to interpret subject matter from diverse perspectives (e.g., different cultures, religions, genders, political views)	4.2	0% (1 or 2) 80% (4 or 5)	You employed the method with frequency typical of those teaching classes of similar size and level of student motivation.
Encouraged students to reflect on and evaluate what they have learned	4.6	0% (1 or 2) 100% (4 or 5)	You employed the method more frequently than those teaching classes of similar size and level of student motivation.
Provided meaningful feedback on students' academic performance	4.4	0% (1 or 2) 90% (4 or 5)	You employed the method more frequently than those teaching classes of similar size and level of student motivation.
Stimulated students to intellectual effort beyond that required by most courses	4.2	0% (1 or 2) 80% (4 or 5)	You employed the method more frequently than those teaching classes of similar size and level of student motivation.
Created opportunities for students to apply course content outside the classroom	3.4	20% (1 or 2) 40% (4 or 5)	You employed the method less frequently than those teaching classes of similar size and level of student motivation.

Collaborative Learning	Your Average	Students Rating	Suggested Action
Active Learning	Your Average	Students Rating	Suggested Action
Encouraged students to use multiple resources (e.g., Internet, library holdings, outside experts) to improve understanding	3.9	20% (1 or 2) 80% (4 or 5)	You employed the method with frequency typical of those teaching classes of similar size and level of student motivation.
Gave projects, tests, or assignments that required original or creative thinking	4.6	10% (1 or 2) 90% (4 or 5)	You employed the method more frequently than those teaching classes of similar size and level of student motivation.

**Quantitative**

Describe the frequency of your instructor's teaching procedures.	Hardly Ever	Occasional ly	Sometimes	Frequently	Almost Always	N	DNA	SD	M
<i>The Instructor:</i>									
Found ways to help students answer their own questions	0% (0)	0% (0)	10% (1)	50% (5)	40% (4)	10	0	0.64	4.3
Helped students to interpret subject matter from diverse perspectives (e.g., different cultures, religions, genders, political views)	0% (0)	0% (0)	20% (2)	40% (4)	40% (4)	10	0	0.75	4.2
Encouraged students to reflect on and evaluate what they have learned	0% (0)	0% (0)	0% (0)	40% (4)	60% (6)	10	0	0.49	4.6
Demonstrated the importance and significance of the subject matter	0% (0)	0% (0)	10% (1)	40% (4)	50% (5)	10	0	0.66	4.4
Formed teams or groups to facilitate learning	30% (3)	20% (2)	10% (1)	30% (3)	10% (1)	10	0	1.42	2.7
Made it clear how each topic fit into the course	0% (0)	0% (0)	20% (2)	20% (2)	60% (6)	10	0	0.8	4.4
Provided meaningful feedback on students' academic performance	0% (0)	0% (0)	10% (1)	40% (4)	50% (5)	10	0	0.66	4.4
Stimulated students to intellectual effort beyond that required by most courses	0% (0)	0% (0)	20% (2)	40% (4)	40% (4)	10	0	0.75	4.2
Encouraged students to use multiple resources (e.g., Internet, library holdings, outside experts) to improve understanding	10% (1)	10% (1)	0% (0)	40% (4)	40% (4)	10	0	1.3	3.9
Explained course material clearly and concisely	0% (0)	0% (0)	50% (5)	20% (2)	30% (3)	10	0	0.87	3.8

<i>Describe the frequency of your instructor's teaching procedures.</i>	<b>Hardly Ever</b>	<b>Occasional ly</b>	<b>Sometimes</b>	<b>Frequently</b>	<b>Almost Always</b>	<b>N</b>	<b>DNA</b>	<b>SD</b>	<b>M</b>
<i>The Instructor:</i>									
<b>Related course material to real life situations</b>	0% (0)	0% (0)	30% (3)	20% (2)	50% (5)	10	0	0.87	4.2
<b>Created opportunities for students to apply course content outside the classroom</b>	10% (1)	10% (1)	40% (4)	10% (1)	30% (3)	10	0	1.28	3.4
<b>Introduced stimulating ideas about the subject</b>	0% (0)	0% (0)	30% (3)	30% (3)	40% (4)	10	0	0.83	4.1
<b>Involved students in hands-on projects such as research, case studies, or real life activities</b>	20% (2)	0% (0)	0% (0)	40% (4)	40% (4)	10	0	1.47	3.8
<b>Inspired students to set and achieve goals which really challenged them</b>	0% (0)	10% (1)	30% (3)	20% (2)	40% (4)	10	0	1.04	3.9
<b>Asked students to share ideas and experiences with others whose backgrounds and viewpoints differ from their own</b>	0% (0)	40% (4)	0% (0)	30% (3)	30% (3)	10	0	1.28	3.5
<b>Asked students to help each other understand ideas or concepts</b>	0% (0)	30% (3)	10% (1)	30% (3)	30% (3)	10	0	1.2	3.6
<b>Gave projects, tests, or assignments that required original or creative thinking</b>	0% (0)	10% (1)	0% (0)	10% (1)	80% (8)	10	0	0.92	4.6
<b>Encouraged student-faculty interaction outside of class (e.g., office visits, phone calls, email)</b>	0% (0)	0% (0)	10% (1)	20% (2)	70% (7)	10	0	0.66	4.6
<i>Describe your progress on:</i>									
	<b>No Apparent Progress</b>	<b>Slight Progress</b>	<b>Moderate Progress</b>	<b>Substantial Progress</b>	<b>Exceptional Progress</b>	<b>N</b>	<b>DNA</b>	<b>SD</b>	<b>M</b>
<b>Gaining a basic understanding of the subject (e.g., factual knowledge, methods, principles, generalizations, theories)</b>	0% (0)	20% (2)	10% (1)	30% (3)	40% (4)	10	0	1.14	3.9
<b>Developing knowledge and understanding of diverse perspectives, global awareness, or other cultures</b>	0% (0)	30% (3)	40% (4)	10% (1)	20% (2)	10	0	1.08	3.2
<b>Learning to <i>apply</i> course material (to improve thinking, problem solving, and decisions)</b>	0% (0)	10% (1)	20% (2)	30% (3)	40% (4)	10	0	1	4
<b>Developing specific skills, competencies, and points of view needed by professionals in the field most closely related to this course</b>	0% (0)	10% (1)	20% (2)	30% (3)	40% (4)	10	0	1	4
<b>Acquiring skills in working with others as a member of a team</b>	20% (2)	20% (2)	50% (5)	0% (0)	10% (1)	10	0	1.11	2.6
<b>Developing creative capacities (inventing; designing; writing; performing in art, music, drama, etc.)</b>	0% (0)	20% (2)	30% (3)	20% (2)	30% (3)	10	0	1.11	3.6
<b>Gaining a broader understanding and appreciation of intellectual/cultural activity (music, science, literature, etc.)</b>	10% (1)	10% (1)	30% (3)	20% (2)	30% (3)	10	0	1.28	3.5
<b>Developing skill in expressing myself orally or in writing</b>	0% (0)	0% (0)	30% (3)	30% (3)	40% (4)	10	0	0.83	4.1
<b>Learning how to find, evaluate, and use resources to explore a topic in depth</b>	0% (0)	20% (2)	0% (0)	50% (5)	30% (3)	10	0	1.04	3.9
<b>Developing ethical reasoning and/or ethical decision making</b>	0% (0)	10% (1)	30% (3)	30% (3)	30% (3)	10	0	0.98	3.8
<b>Learning to <i>analyze</i> and <i>critically evaluate</i> ideas, arguments, and points of view</b>	0% (0)	0% (0)	30% (3)	30% (3)	40% (4)	10	0	0.83	4.1
<b>Learning to apply knowledge and skills to benefit others or serve the public good</b>	0% (0)	20% (2)	30% (3)	20% (2)	30% (3)	10	0	1.11	3.6
<b>Learning appropriate methods for collecting, analyzing, and interpreting numerical information</b>	0% (0)	20% (2)	40% (4)	20% (2)	20% (2)	10	0	1.02	3.4
<i>The Course:</i>									
<i>On the next two items, compare this course with others you have taken at this institution.</i>	<b>Much Less than Most Courses</b>	<b>Less than Most Courses</b>	<b>About Average</b>	<b>More than Most Courses</b>	<b>Much More than Most Courses</b>	<b>N</b>	<b>DNA</b>	<b>SD</b>	<b>M</b>
<b>Amount of coursework</b>	0% (0)	10% (1)	50% (5)	40% (4)	0% (0)	10	0	0.64	3.3
<b>Difficulty of subject matter</b>	0% (0)	0% (0)	20% (2)	60% (6)	20% (2)	10	0	0.63	4

<i>For the following items, choose the option that best corresponds to your judgment.</i>	<b>Definitely False</b>	<b>More False than True</b>	<b>In Between</b>	<b>More True than False</b>	<b>Definitely True</b>	<b>N</b>	<b>DNA</b>	<b>SD</b>	<b>M</b>
<b>As a rule, I put forth more effort than other students on academic work.</b>	0% (0)	0% (0)	80% (8)	10% (1)	10% (1)	10	0	0.64	3.3
<b>I really wanted to take this course regardless of who taught it.</b>	10% (1)	40% (4)	30% (3)	10% (1)	10% (1)	10	0	1.1	2.7
<b>When this course began I believed I could master its content.</b>	10% (1)	20% (2)	30% (3)	30% (3)	10% (1)	10	0	1.14	3.1
<b>My background prepared me well for this course's requirements.</b>	10% (1)	20% (2)	50% (5)	20% (2)	0% (0)	10	0	0.87	2.8
<b>Overall, I rate this instructor an excellent teacher.</b>	0% (0)	0% (0)	10% (1)	40% (4)	50% (5)	10	0	0.66	4.4
<b>Overall, I rate this course as excellent.</b>	0% (0)	10% (1)	20% (2)	20% (2)	50% (5)	10	0	1.04	4.1

## Qualitative

<b>Comments -</b>
<ul style="list-style-type: none"> <li>• He is has a knowledge when it comes to the subject at hand. However, sometimes he will half explain the material. I believe he is doing it in a way that makes the students think about it and interpret in their own manner, but sometimes a little more clarification would be helpful. The subject matter was very in depth and hard to grasp at times, but Professor Brommage did a good job at teaching this difficult class.</li> <li>• Difficult content but Brommage does an excellent job of making it understandable and enjoyable. Would recommend this professor</li> <li>• Professor Brommage is an entertaining and informative professor. He does talk fast and for me personally his lectures were difficult to keep up with. He is very nice and is friendly when it comes to due dates.</li> <li>• Dr.Brommage is a great teacher! I like his classes so much that I will be taking my 3rd class with him next semester.</li> </ul>