

*Teaching Methods Significantly Related with Progress on Learning Objectives in Medium-Size Classes by Course Motivation Level*

Learning objective	Relevant teaching methods by course motivation level				
	Lowest 20%	Lower 20%	Middle 20%	Higher 20%	Highest 20%
1. Gaining a basic understanding of the subject (e.g., factual knowledge, methods, principles, generalizations, theories)	4, 6, 8, <b>10</b> , 15	4, 6, 8, <b>10</b> , <b>13</b> , 17	4, 6, 8, <b>10</b> , <b>13</b>	6, 8, <b>10</b> , <b>13</b>	6, 8, <b>10</b> , <b>13</b> , 15
<b>2. Developing knowledge and understanding of diverse perspectives, global awareness, or other cultures</b>	<b>2</b> , 8, <b>13</b> , 16	<b>2</b> , <b>13</b>	<b>2</b> , <b>13</b> , 16	<b>2</b> , <b>13</b> , 16	<b>2</b> , 5, 16
<b>3. Learning to apply course material (to improve thinking, problem solving, and decisions)</b>	<b>1</b> , 4, 8, <b>10</b> , <b>11</b> , <b>12</b> , 15, 18	<b>1</b> , 4, 8, <b>10</b> , <b>12</b>	4, 8, <b>10</b> , <b>12</b> , 15, 18	6, 8, <b>10</b> , <b>11</b> , 15, 18	6, 8, <b>11</b> , 15, 18
4. Developing specific skills, competencies, and points of view needed by professionals in the field most closely related to this course	4, 6, 7, <b>11</b> , 15	4, 8, <b>10</b> , <b>12</b> , 14	4, 6, <b>13</b> , 14, 15	6, 8, <b>10</b> , 15	6, <b>13</b> , 15
5. Acquiring skills in working with others as a member of a team	<b>1</b> , 5, 14, 15	<b>1</b> , 5, 14, 15	5, 14, 15	5, 14, 15	5, 8, <b>13</b>
6. Developing creative capacities (inventing; designing; writing; performing in art, music, drama, etc.)	15, 18	7, <b>12</b> , 15, 18	<b>2</b> , <b>12</b> , 15, 18	<b>2</b> , 15, 18	<b>2</b> , 7, 15, 18
<b>7. Gaining a broader understanding and appreciation of intellectual/cultural activity (music, science, literature, etc.)</b>	<b>2</b> , <b>12</b> , <b>13</b>	<b>2</b> , <b>12</b> , <b>13</b>	<b>2</b> , <b>13</b>	<b>2</b> , <b>13</b> , 15	<b>2</b> , <b>13</b> , 15
8. Developing skill in expressing myself orally or in writing	7, <b>9</b> , 15, 16, 18	<b>2</b> , 7, <b>9</b> , 15, 16, 18	<b>2</b> , 5, 7, <b>9</b> , 15, 16, 18	<b>2</b> , 5, 7, 16, 18	<b>2</b> , 5, 15, 16, 18
<b>9. Learning how to find, evaluate, and use resources to explore a topic in depth</b>	<b>1</b> , 8, <b>9</b> , 15	<b>1</b> , <b>9</b> , 14	<b>9</b> , <b>10</b> , 14, 18, 19	<b>9</b> , <b>10</b> , 18	<b>2</b> , 8, <b>9</b>
<b>10. Developing ethical reasoning and/or ethical decision making</b>	<b>2</b> , 8, <b>11</b> , 16	<b>2</b> , <b>11</b> , 16	<b>2</b> , 8, 16	<b>2</b> , 16	<b>2</b> , 16
<b>11. Learning to analyze and critically evaluate ideas, arguments, and points of view</b>	<b>3</b> , 8, <b>9</b> , <b>13</b> , 16, 18	<b>2</b> , 8, <b>9</b> , <b>13</b>	<b>2</b> , 8, 16, 18	<b>2</b> , 8, <b>10</b> , 16, 18	<b>2</b> , 8, 16, 18
<b>12. Learning to apply knowledge and skills to benefit others or serve the public good</b>	<b>2</b> , 8, <b>11</b> , <b>12</b> , 16	<b>2</b> , <b>12</b> , 14	8, <b>10</b> , <b>12</b> , 16	<b>2</b> , <b>11</b> , <b>12</b> , 14	8, <b>11</b> , <b>12</b> , 16
<b>13. Learning appropriate methods for collecting, analyzing, and interpreting numerical information</b>	<b>1</b> , 8, <b>11</b> , 14, 17	<b>1</b> , <b>12</b> , 15	15	<b>10</b> , 14, 19	<b>1</b> , 8, 19

## Teaching Methods

- 1. Found ways to help students answer their own questions**
- 2. Helped students to interpret subject matter from diverse perspectives (e.g., different cultures, religions, genders, political views)**
- 3. Encouraged students to reflect on and evaluate what they have learned**
4. Demonstrated the importance and significance of the subject matter
5. Formed teams or groups to facilitate learning
6. Made it clear how each topic fit into the course
7. Provided meaningful feedback on students' academic performance
8. Stimulated students to intellectual effort beyond that required by most courses
- 9. Encouraged students to use multiple resources (e.g., Internet, library holdings, outside experts) to improve understanding**
10. Explained course material clearly and concisely
- 11. Related course material to real life situations**
- 12. Created opportunities for students to apply course content outside the classroom**
13. Introduced stimulating ideas about the subject
- 14. Involved students in hands-on projects such as research, case studies, or real life activities**
- 15. Inspired students to set and achieve goals which really challenged them**
- 16. Asked students to share ideas and experiences with others whose backgrounds and viewpoints differ from their own**
- 17. Asked students to help each other understand ideas or concepts**
18. Gave projects, tests, or assignments that required original or creative thinking
19. Encouraged student-faculty interaction outside of class (office visits, phone calls, email, etc.)