

Some Types of Student Learning Outcomes at GSW

Programs with Critical Thinking Outcomes

- BS in Chemistry
 - Students will demonstrate critical thinking and problem solving skills related to the discipline
- BS in Political Science
 - When a student has completed the political science Bachelor of Science program, the student will be able to demonstrate analytical and evaluative skills.
- BA/BS in Psychology
 - Students will use critical and creative thinking and skeptical inquiry to solve problems related to human behavior and mental processes.
- BS in Sociology
 - Students will demonstrate critical thinking skills in Sociology and the ability to apply the scientific method to social issues and problems.
- BA/BFA in Visual Arts
 - Integrate, synthesize and evaluate contemporary theories of art and design within artwork produced in the studio disciplines and art history.
- BS in Nursing
 - Utilize critical thinking / to provide care for individual & communities
- WMST Cert
 - Students will demonstrate critical thinking on gender-related topics
- BBA
 - Our students will be able to think critically and to have analytical skills
- BS in Education
 - Upon completion of their programs, candidates will plan and implement a variety of instructional strategies to promote critical thinking, problem solving, and performance in P-12 students.
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Programs with Communication Outcomes

- BS in Chemistry
 - Students will demonstrate effective communication of technical information
- BA in English
 - Compose effective responses to the rhetorical situations of writing tasks.

- Compose effective responses to the rhetorical situations of speaking tasks.
- BS in Geology
 - Student demonstrates the ability to present field data and interpretations in a logical and proficient manner
- BS in Political Science
 - When a student has completed the political science Bachelor of Science program, the student will be able to use clear and concise communication in the written form.
 - When a student has completed the political science Bachelor of Science program, the student will be able to use clear and concise communication in the verbal form.
- BA in History
 - Write and orally present an original paper based on historical methodology and use of primary sources. This paper will synthesize diverse elements, with the emphasis on composing a new thesis.
- BA/BS in Psychology
 - Students will communicate effectively in a number of formats (e.g., oral presentations, written assignments, and use of American Psychological Association [APA] format).
- BS in Sociology
 - Students will effectively communicate in a variety of formats including the ASA writing style, leading class discussion, and presenting the results of research.
- BA in Dramatic Arts
 - Students will be able to analyze scripts of various genres, articulate workable production concepts realized in practice through collaboration as producers, directors, designers, actors, technicians, stage managers, and producers.
- BS in Mathematics
 - Students will effectively use mathematical resources in written and oral communication.
- BA/BFA in Visual Arts
 - Interpret, explain and defend (oral and written) analyses of their own work, that of their peers and within art history (Western and non)
- BBA
 - Our students will be able to communicate in oral and written forms
- BS in Information Technology
 - An ability to communicate effectively with a range of audiences.
- BS in Education
 - Upon completion of their programs, candidates will employ different types of communication strategies to insure active participation of all P-12 students.
 - Upon completion of their programs, candidates will identify appropriate and effective collaboration, communication and interpersonal skills with P-12 students, teachers, parents, administrators, and others in the community.

Programs with Problem Solving Outcomes

- BS in Chemistry
 - Students will demonstrate critical thinking and problem solving skills related to the discipline
 - Students will demonstrate proficiency in using computers to solve problems in chemistry
- BS in Mathematics
 - Students will use effective problem solving strategies appropriate for graduates in Mathematics
- BS in Sociology
 - Students will demonstrate critical thinking skills in Sociology and the ability to apply the scientific method to social issues and problems.
- BBA
 - Our students will be able to solve a business problem
- BS in Computer Science
 - An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution
- BS in Information Technology
 - An ability to identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems.

Skills with General Education SLOs

- Written Communication
 - Students will be able to write effectively for a variety of audiences to demonstrate collegiate-level writing development in various contexts.
- Problem Solving
 - Students will be able to analyze and apply mathematical concepts in various forms in order to solve a variety of quantitative problems.
- Critical Thinking
 - Students will be able to analyze and evaluate the main issues that relate to problems or texts, and then apply an organized, coherent and accurate response.

Intellectual and Practical Skills Valued by Employers

- Teamwork skills and the ability to collaborate with others in diverse group settings
- The ability to effectively communicate orally and in writing
- Critical thinking and analytical reasoning skills

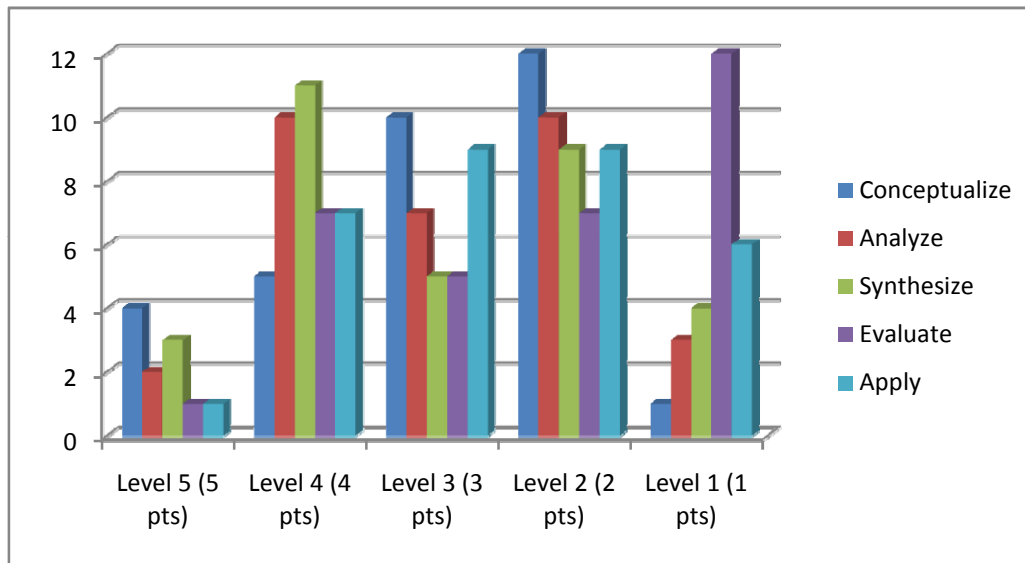
- The ability to locate, organize, and evaluate information from multiple sources
- The ability to be innovative and think creatively
- The ability to solve complex problems
- The ability to work with numbers and understand statistics

Critical Thinking

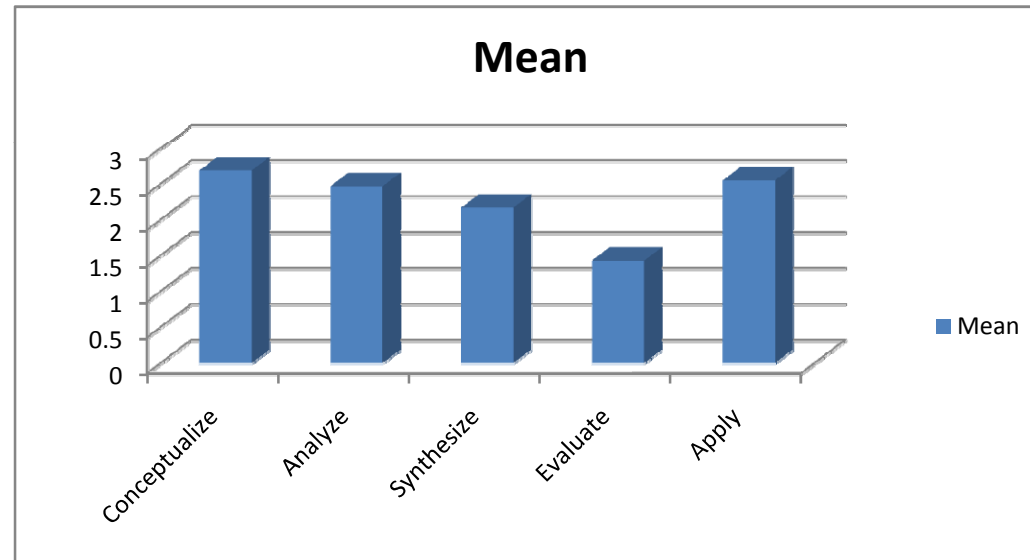
ENGL 1101 Fall

2011

	Level 5 (5 pts)	Level 4 (4 pts)	Level 3 (3 pts)	Level 2 (2 pts)	Level 1 (1 pts)	Mean	Mode	Stdev
Conceptualize	4	5	10	12	1	2.97	2	1.07
Analyze	2	10	7	10	3	2.94	2	1.12
Synthesize	3	11	5	9	4	3	4	1.22
Evaluate	1	7	5	7	12	2.31	1	1.26
Apply	1	7	9	9	6	2.62	2	1.11
						2.768		

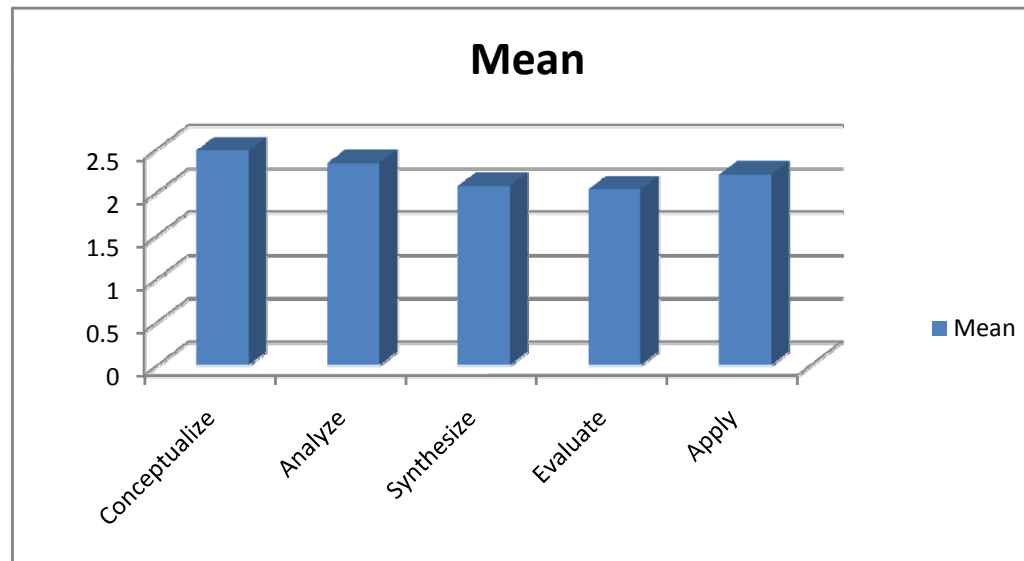


	Mean	Mode	Stdev	Level 5 (5 pts)	Level 4 (4 pts)	Level 3 (3 pts)	Level 2 (2 pts)	Level 1 (1 pts)
Conceptualize	2.69	2	1	5	28	51	52	17
Analyze	2.47	2	0.96	4	20	40	69	20
Synthesize	2.17	2	0.88	2	9	36	72	34
Evaluate	1.43	1	0.81	2	3	10	28	108
Apply	2.55	3	0.78	1	1	23	15	4



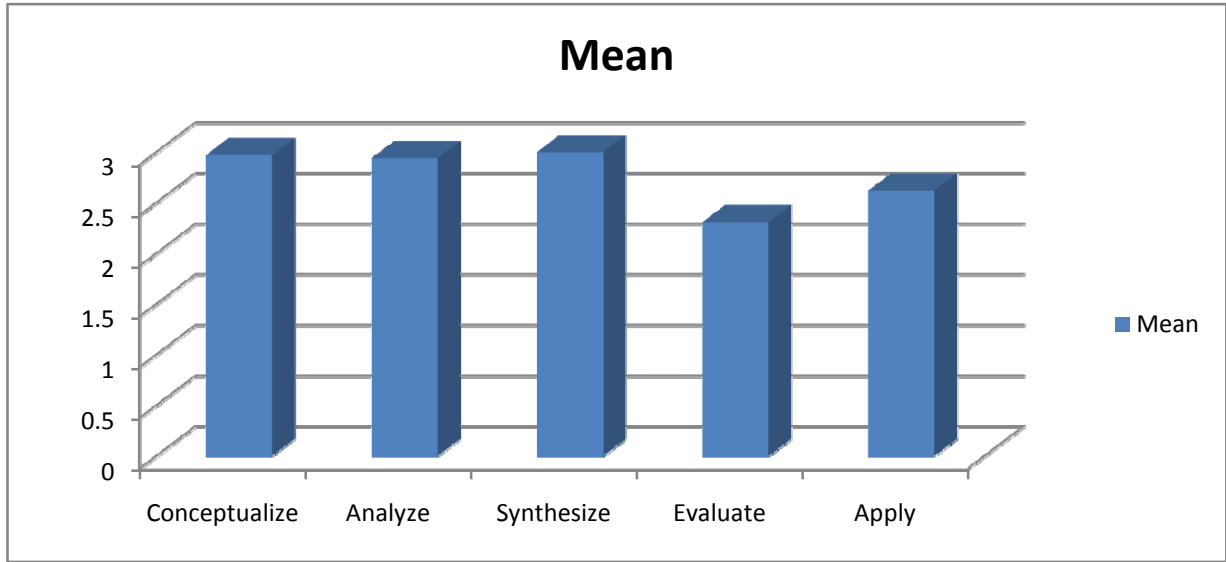
**Critical Thinking
ENGL 1102 Spring**

2012	Mean	Mode	Stdev	Level 5 (5 pts)	Level 4 (4 pts)	Level 3 (3 pts)	Level 2 (2 pts)	Level 1 (1 pts)
Conceptualize	2.48	2	0.9	1	13	28	42	11
Analyze	2.33	2	0.97	3	7	26	41	18
Synthesize	2.07	2	0.92	1	6	20	40	28
Evaluate	2.03	2	0.89	0	7	18	41	29
Apply	2.2	2	0.92	0	8	16	33	17

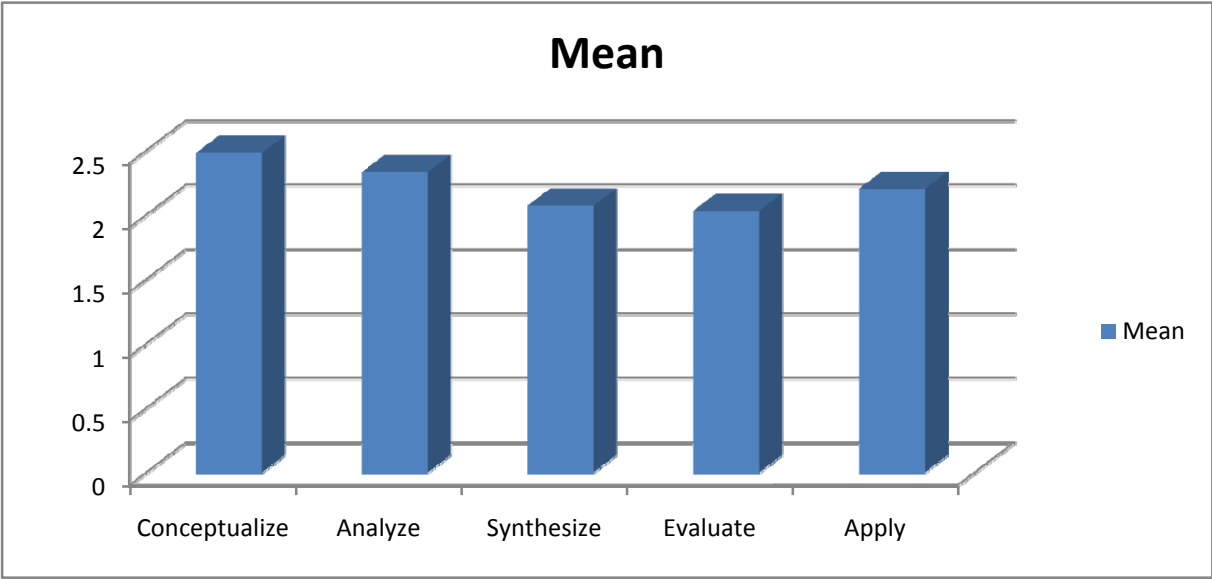


1101 F 2011	Mean	Mode	Stdev	Level 5 (5 pts)	Level 4 (4 pts)	Level 3 (3 pts)	Level 2 (2 pts)	Level 1 (1 pts)
Conceptualize	2.97	2	1.07	4	5	10	12	1
Analyze	2.94	4	1.12	2	10	7	10	3
Synthesize	3	4	1.22	3	11	5	9	4
Evaluate	2.31	1	1.26	1	7	5	7	12
Apply	2.62	2	1.11	1	7	9	9	6

1102 Sp 2012	Mean	Mode	Stdev	Level 5 (5 pts)	Level 4 (4 pts)	Level 3 (3 pts)	Level 2 (2 pts)	Level 1 (1 pts)
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Fall 2011
ENGL 1101

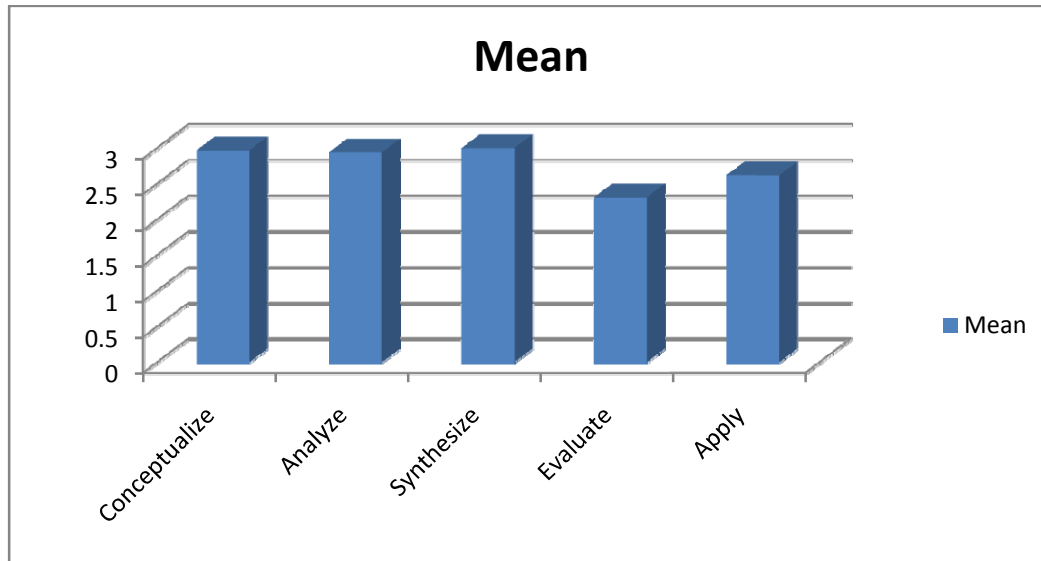


Spring 2012
ENGL 1102

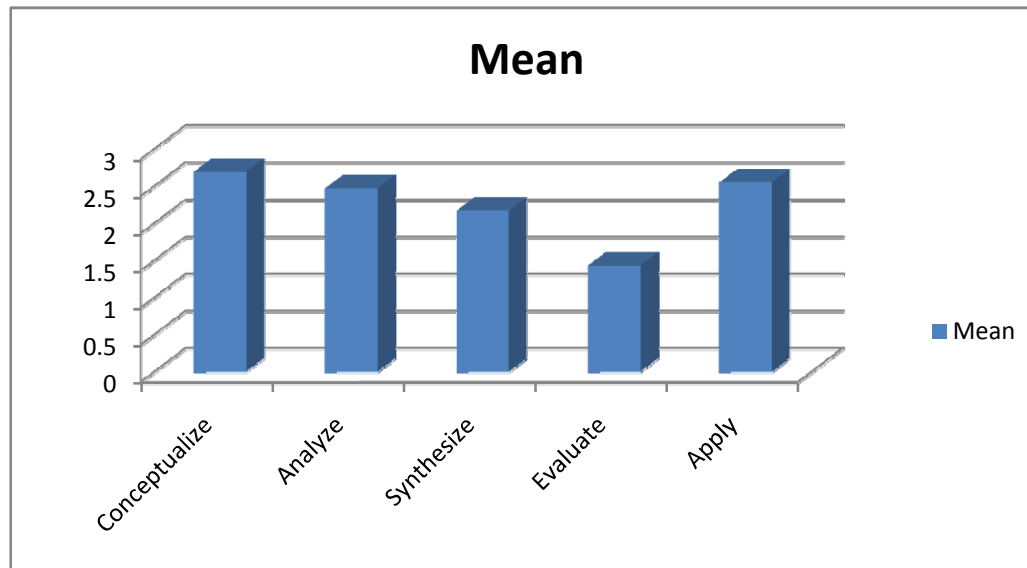
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Fall 2011
ENGL 1101



Spring 2012
ENGL 1101



Critical Thinking Rubric

Objectives	Level 5	Level 4	Level 3	Level 2	Level 1
Conceptualize	Identifies essential and complex issues, clearly and effectively	Identifies essential issues, clearly and effectively; partially identifies complex issues	Identifies essential issues	Partially identifies essential issues	Does not identify essential issues
Analyze	Specifies the essential components of an issue; clearly and effectively uses them to develop a conclusion	Specifies the essential components of an issue; partially uses them to develop a conclusion	Identifies the essential components of an issue	Partially identifies the essential components of an issue	Does not identify the essential components of an issue
Synthesize	Integrates primary and secondary perspective into a new whole	Integrates primary perspective and partially integrates secondary perspective into a new whole	Integrates primary perspectives into a new whole	Partially integrates primary perspectives	Does not integrate perspectives of an issue
Evaluate	Appraises the value of information sources and fully uses this value when reaching a conclusion	Appraises the value of information sources and partially uses this value when reaching a conclusion	Appraises the value of information sources	Partially appraises the value of information sources	Does not appraise the value of information sources
Apply	Uses previously learned information in new situations to create multiple solutions	Uses previously learned information in new situations to create a single solution	Uses previously learned information in new situations	Partially use previously learned information in new situations	Does not use previously learned information in new situations