

GENERAL EDUCATION—PART 2 of 3

Old Dominion University

EXPECTED OUTCOMES

*(completed form with all attachments should be sent to Judy Bowman,
Office of Academic Affairs, 2020 Koch Hall or e-mail to jbowman@odu.edu)*

General Education Requirement #3 Mathematical Skills

Request for: New course Course change Course inactivation Course recertification

Evaluate as: Skill Ways of knowing Writing intensive course Requirement met in major*

Met by the following course(s) (list SUBJ/CRSE# and TITLE):

***List and submit Part 2 and Part 3 attachments for all courses that will be used to satisfy the requirement**

Describe how each expected outcome will be met by this course or attach completed matrix. Use as much space as necessary (table will expand).

| Expected Outcome (#3 Mathematical Skills) | This section must be completed for all courses that are used to meet the requirement | | Complete only if reqmt is met by <u>more than one</u> course | |
|---|--|--|--|--|
| | Specific Course Content | Instructional Activity/ Assignments/Testing | Specific Course(s) (SUBJ/CRSE#) | Weight <i>(e.g., % of grade, # hrs of instr.)</i> |
| <i>Logical Reasoning: Students will be able to interpret sentences to contain the logical connectives “and,” “or,” “some,” “all,” and “none.” They will be able to use deductive reasoning to draw conclusions from a series of statements and to identify appropriate generalizations or trends.</i> | | | | |
| <i>Computational Skills: Students will develop facility in the language and symbols of mathematics and will be able to perform basic calculations and operations related to the application of mathematics or statistics</i> | | | | |

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|--|--|---|---------------------------------|--|
| | Specific Course Content | Instructional Activity/ Assignments/Testing | Specific Course(s) (SUBJ/CRSE#) | Weight (e.g., % of grade, # hrs of instr.) |
| <i>Data Interpretation: Students will be able to read and interpret visual displays of quantitative information such as bar graphs, line graphs, pie charts, pictographs, and tables. They will be able to use them to make predictions and draw inferences from the data.</i> | | | | |
| <i>Problem Solving: Students will be able to read a word problem, set up the necessary equations that describe the problem, solve these equations using basic quantitative techniques, and interpret or draw a conclusion from the solution</i> | | | | |
| <i>Quantitative Modeling: Students will be able to model physical and natural phemonema and assess validity of a model, make predictions from the model, and draw conclusions based on the model</i> | | | | |
| Attachments included: | | | | |