

## Course Number and Title: SCI 112 Science Course Success Strategies

**Campus Location:**

Georgetown, Stanton

**Effective Date:**

2021-52

**Prerequisite:**

SSC 100 or concurrent

**Co-Requisites:**

None

**Course Credits and Hours:**

1.00 credits

1.00 lecture hours/week

0.00 lab hours/week

**Course Description:**

In this course, students discuss and identify skills and strategies to improve learning and comprehension in science courses. Topics include student success, learning styles, time management, problem solving, and effective study skills.

**Required Text(s):**

Obtain current textbook information by viewing the [campus bookstore - https://www.dtcc.edu/bookstores](https://www.dtcc.edu/bookstores) online or visit a campus bookstore. Check your course schedule for the course number and section.

**Additional Materials:**

None

**Schedule Type:**

Classroom Course

**Disclaimer:**

None

**Core Course Performance Objectives (CCPOs):**

1. Identify and describe learning styles. (CCC 1, 2, 5).
2. Identify and describe effective study skills. (CCC 1, 2, 5, 6)
3. Identify faculty-student interactions and expectations in a science course. (CCC 1, 2, 3, 4, 5)
4. Use the learning management system for course help. (CCC 1, 2, 4, 5, 6)
5. Demonstrate effective use of the textbook. (CCC 2, 5)
6. Apply test-taking strategies. (CCC 2, 4, 5)
7. Define appropriate ways to manage time. (CCC- 2)
8. Examine and apply the metric system and dimensional analyses. (CCC 1, 2, 5)
9. Use the periodic table as a resource in chemistry and biology. (CCC- 2, 5)
10. Demonstrate proper scientific writing in lab reports. (CCC 1, 2, 4)
11. Identify unifying themes in the systems approach to anatomy and physiology. (CCC 1, 2, 5, 6)

See Core Curriculum Competencies and Program Graduate Competencies at the end of the syllabus. CCPOs are linked to every competency they develop.

**Measurable Performance Objectives (MPOs):**

Upon completion of this course, the student will:

1. Identify and describe learning styles.
  1. List the three types of learning styles.
  2. Assess personal learning style.
  3. Discuss what study strategies align with each style.
2. Identify and describe effective study skills.
  1. Identify resources that can supplement course material.
  2. Discuss various methods for note taking.
  3. Determine which note-taking techniques are most effective.
  4. Create a concept map.
3. Identify faculty-student interactions and expectations in a science course.
  1. Discuss how to consult with your instructor.
  2. Address and construct an email in a professional manner.
4. Use the learning management system for course help (communication, quizzes, course materials, etc.).
  1. Locate and navigate courses in the learning management system.
  2. Compose emails using one's Delaware Tech account.
  3. Use the learning management system to find campus announcements.
  4. Upload and submit assignments via the learning management system.
5. Demonstrate effective use of the textbook.
  1. Identify sections of a textbook.
  2. Determine what parts of the textbook may be most useful to prepare for an exam.
6. Apply test-taking strategies.
  1. Assess one's test-taking style.
  2. Recognize different types of test questions.
  3. Apply strategies to approach each type of test question.
7. Define appropriate ways to manage time.
  1. Discuss where time is spent during the period of one week.
  2. Discuss how to balance various roles and obligations in an effort to manage time effectively.
8. Examine and apply the metric system and dimensional analyses.
  1. List room temperature and the freezing and boiling points of water in Celsius.
  2. Name the conversion values for 1 inch, 1 cup, and 1 pound in metric system.
  3. Name the basic prefixed in the SI system for length, mass, volume, and temperature.
  4. Convert from standard notation to scientific notation.
  5. Perform calculations involving dimensional analysis.
9. Use the periodic table as a resource in chemistry and biology.
  1. Identify and discuss the various parts of the periodic table.
10. Demonstrate proper scientific writing in lab reports.
  1. List the steps in the scientific method.
  2. Draft a lab report using proper form.
11. Identify the unifying themes in the systems approach to anatomy and physiology.
  1. Review list of systems in Anatomy and Physiology.
  2. Identify relationship between course content and best study strategies.
  3. Preview key challenging concepts in anatomy and physiology.
  4. Review course specific study resources.

**Evaluation Criteria/Policies:**

The grade will be determined using the Delaware Tech grading system:

90	-	100	=	A
80	-	89	=	B
70	-	79	=	C
0	-	69	=	F

Students should refer to the [Student Handbook - https://www.dtcc.edu/handbook](https://www.dtcc.edu/handbook) for information on the Academic Standing Policy, the Academic Integrity Policy, Student Rights and Responsibilities, and other policies relevant to their academic progress.

**Final Course Grade:**

Calculated using the following weighted average

Evaluation Measure	Percentage of final grade
Assignments (summative) (equally weighted)	90%
Formative	10%
TOTAL	100%

**Core Curriculum Competencies (CCCs are the competencies every graduate will develop):**

1. Apply clear and effective communication skills.
2. Use critical thinking to solve problems.
3. Collaborate to achieve a common goal.
4. Demonstrate professional and ethical conduct.
5. Use information literacy for effective vocational and/or academic research.
6. Apply quantitative reasoning and/or scientific inquiry to solve practical problems.

**Program Graduate Competencies (PGCs are the competencies every graduate will develop specific to his or her major):**

None

**Disabilities Support Statement:**

The College is committed to providing reasonable accommodations for students with disabilities. Students are encouraged to schedule an appointment with the campus Disabilities Support Counselor to request an accommodation needed due to a disability. A listing of campus Disabilities Support Counselors and contact information can be found at the [disabilities services - https://www.dtcc.edu/disabilitysupport](https://www.dtcc.edu/disabilitysupport) web page or visit the campus Advising Center.