GT Pathways Natural & Physical Sciences –

Course with Required Laboratory (GT-SC1)

**The following statement must be copied and pasted verbatim into each instructor’s syllabus**

***(replace the text in red with your course subject code & number)*:**

The Colorado Commission on Higher Education has approved **XXXX ####** for inclusion in the Guaranteed Transfer (GT) Pathways program in the **GT-SC1** category. For transferring students, successful completion with a minimum C‒ grade guarantees transfer and application of credit in this GT Pathways category. For more information on the GT Pathways program, go to <http://highered.colorado.gov/academics/transfers/gtpathways/curriculum.html>.

**The following required Natural & Physical Sciences GT Pathways content criteria shall be either: 1) copied and pasted verbatim into each instructor’s syllabus, OR 2) mapped to the institution’s own content criteria in each instructor’s syllabus:**

1. The lecture content of a GT Pathways science course (**GT-SC1** or GT-SC2):
   1. Develop foundational knowledge in specific field(s) of science.
   2. Develop an understanding of the nature and process of science.
   3. Demonstrate the ability to use scientific methodologies.
   4. Examine quantitative approaches to study natural phenomena.
2. The laboratory (either a combined lecture and laboratory, or a separate laboratory tied to a science lecture course) content of a GT Pathways science course (**GT-SC1**):
   1. Perform hands-on activities with demonstration and simulation components playing a secondary role.
   2. Engage in inquiry-based activities.
   3. Demonstrate the ability to use the scientific method.
   4. Obtain and interpret data, and communicate the results of inquiry.
   5. Demonstrate proper technique and safe practices.

**The following Student Learning Outcomes (SLOs) for the required GT-SC1 competencies shall be either: 1) copied and pasted verbatim into each instructor’s syllabus, OR 2) mapped to the institution’s own competencies and SLOs in each instructor’s syllabus:**

***Inquiry & Analysis***

Select or Develop a Design Process

1. Select or develop elements of the methodology or theoretical framework to solve problems in a given discipline.

Analyze and Interpret Evidence

1. Examine evidence to identify patterns, differences, similarities, limitations, and/or implications related to the focus.
2. Utilize multiple representations to interpret the data.

Draw Conclusions

1. State a conclusion based on findings.

***(Instructions continued next page)***

***Quantitative Literacy***

Interpret Information

1. Explain information presented in mathematical forms (e.g., equations, graphs, diagrams, tables, words).

Represent Information

* 1. Convert information into and between various mathematical forms (e.g., equations, graphs, diagrams, tables, words).

**The** [**CDHE GT Pathways Course Submittal Form & Institutional Verification**](http://highered.colorado.gov/Academics/Transfers/gtPathways/Submittal%20Form/Submittal_Form_GTP_Curriculum_FINAL_N&PS_GT_SC1.docx) ***(4 pages)* must be completed (except Provost’s signature on page 4, section V) for each GTP course and attached to the course proposal in CIM. In Section IV, explain how your unit will ensure that the required GTP information above is included on each instructor’s syllabus for every section of the course and how this is regularly communicated to teaching faculty.**