MESABI RANGE COMMUNITY & TECHNICAL COLLEGE – VIRGINIA/EVELETH

Course Outline

Course Title: **Astronomy: The Solar System** **Submitted By:** **M. Threapleton**
Semester Course Prefix and Number: **PHYS 1565** **Approval Date:**
Old Quarter Course Prefix and Number: **PHYS 131** **Revision Date:** **Feb. 2002**

Number of Credits: **2** **Number of Lecture Credits:** **2**
Semester(s) Offered: **Number of Lab Credits:** **Number of Lab Hours:**
Negotiated Class Size: **Number of Studio/Demonstration/Internship Credits:**

Course Purpose Code:

_____ **0 –** Developmental Courses
_____ **1 –** Non-transferable, General Education
_____ **2 –** Technical course related to career programs
_____ **3 –** College course which has the primary goal of applying certain concepts (e.g. vocal ensemble)
_____ **4 –** Other college course not considered a part of general education (MNTC) e.g. computer science, health, physical education
__X__ **5 –** Course which is intended to fulfill the Minnesota Transfer Curriculum (MNTC) requirements.
_____ **9 –** Continuing Education/Customized Training specialized credit course (not occurring in 0-5)

Catalog Description:
This course is a non-mathematical study of the Solar System: the sun, the planets, the asteroids, and the comets. This is a study of their present structure and origin.

Prerequisites and/or recommended entry skills/knowledge:
Course Prerequisite(s): None
Reading Prerequisite: None
Composition Prerequisite: None
Mathematics Prerequisite: None

Career Programs and Transfer Majors Accessing this Course:

Minnesota Transfer Curriculum Goal(s) partially met by this course if applicable: Notes: No more than two goals may be met by any one course. (Curriculum Committee review and the Chief Academic Officer's approval are required).

0. _____ None
1. _____ Communications
2. _____ Critical Thinking
3. __X__ Natural Sciences
4. _____ Mathematical/Logical Reasoning
5. _____ History and the Social and Behavioral Sciences
6. _____ The Humanities and Fine Arts
7. _____ Human Diversity
8. _____ Global Perspectives
9. _____ Ethical and Civic Responsibility
10. _____ People and the Environment

Learning outcomes, including any relevant competencies listed in the Minnesota Transfer Curriculum:

- Learn how the solar system behaves
- Trace the history of development of solar system from beginnings of history to present
- See how scientific theories are developed and changed
- Designed to satisfy the non-lab science requirements

Student assessment methods:
Two multiple-choice tests

Use of instructional technology (includes software, interactive video and other instructional technologies):
Astronomy videos

Outline of the major course content:

- A nonmathematical study of the Solar System: the sun, the planets, the asteroids, & the comets
- A study of their present structure and origin

Additional special information (special fees, directives on hazardous materials, etc.)

Transfer Information: (Please list colleges/majors that accept this course in transfer.)

Approvals:

Body	Representative Signatures	Date
Curriculum Committee		
Faculty Association		
Meet and Confer		
Chief Academic Officer		

Distribution: Original – Administrative Office, Library, Learning Center, Records, Student Services, Curriculum Committee Chair