HAGERSTOWN COMMUNITY COLLEGE
MASTER SYLLABUS

COURSE: **EGR 108 Statics** **(3 Credits)**

DATE: As Announced

INSTRUCTOR: Ed Sigler 240-500-2610 Office cesigler1@hagerstowncc.eduSTEM 424

COURSE DESCRIPTION: A vector-based treatment of statics is presented, including coverage of force systems, moments, couples, centroids, area moments of inertia, friction, and use of free-body diagrams in the solution of equilibrium problems of trusses, frames, and machines.

TEXTBOOK: Engineering Mechanics: Statics Fifth Edition, Bedford & Fowler, Prentice-Hall, ISBN 978-0-13-612915-8

STUDENT LEARNING OUTCOMES**:** The student will demonstrate the following:

1. An ability to apply knowledge of mathematics, science, and engineering.
2. An ability to design a system, component, or process to meet desired needs.
3. An ability to communicate effectively.
4. An ability to identify, formulate and solve engineering problems.
5. An ability to use the techniques, skills, and modern engineering tools necessary for successful practice.

MINIMUM CLOCK HOURS REQUIRED FOR THIS COURSE

LECTURE:

	Direct Faculty Instruction	**Student Work (Out of Class)**
In Class Lectures + In Class Exams	**37.5 Hours**	
Exam Prep (2 Exams + Final)		**45 Hrs.**
Homework Assignments		**70 Hrs.**
Bridge Project		**20 Hrs.**
TOTAL	**37.5 Hours**	**135 Hours**

Services for Students with Disabilities: Students may receive reasonable accommodations if they have a diagnosed disability and present appropriate documentation. Students seeking accommodations are required to contact the Disability Support Services (DSS) office as early as possible. Students may contact a DSS staff member for an appointment at dss@hagerstowncc.edu or at 240-500-2530.