Course Proposals

The Academic Advisement Committee met on November 1st to review the secondary course proposals. At this meeting we decided that we wanted the feedback from our students to determine if these courses should be added to the Academic Planning Guide this year. Below are the courses, the course descriptions, the grade level of the courses, and whether the Academic Advisement Committee approved the courses.

Course Name	Course Description	Grade level	Academic Advisement Recommendation
Advanced Art	*This course is designed for the advanced art student who is self motivated and driven. It is taught during AP Art class for one semester. Each project is student driven from start to finish. This course is self guided and self directed. Students will explore techniques and themes related to a given medium or material, develop a language of representation and begin developing a sustained investigation in art. The pace and expectations are rigorous. Students should only enroll in this course if they have completed two levels of a particular medium (Drawing and Painting, Ceramics). It is an excellent preparation for AP Art and Design as students participate in the AP Art classroom. It is also a great option for students to perfect an art style, technique or material independently. This course cannot be taken concurrently with AP Art as they are taught at the same time.*	10-12	Approved for 2024-25 school year
HS Sports Psychology	*This course will concentrate on cognitive and behavioral skills training for performance enhancement, counseling and clinical intervention issues with athletes and team building concepts. Students will explore topics such as: goal setting; visualization, imagery and*	9-12	Approved for 2024-25 school year

	performance; development of self-confidence, self-esteem, advocacy and competence in sports; sportsmanship and leadership skills including moral and character development, eating disorders, nutrition, substance abuse, ergogenic aids, depression, overtraining, aggression in sports, injury, rehabilitation and team building; team processes and concepts. Sports Psychology proficiencies have been recognized and developed by the Division 47 Committee of the American Psychological Association.		
CE Bio 2120- Zoology	*Introduces the student to the study of animals from the cellular level to the interactions of the organism within its environment, and their ecological contributions. This course includes principles of evolution, animal ecology, animal architecture, taxonomy, and phylogeny. It also includes the study of animal diversity, emphasizing the characteristics and classifications of animal phyla and major classes. ~~This course is one of the Statewide Guaranteed Transfer courses. GT-SC2.*	9-12	Approved for 2024-25 school year
MS & HS Theater Tech	*Drama is a discipline that requires collaboration, visioning, compromising, leading, and following. Without all these moving parts, it doesn't work. That's why technical theater is important: it is the unsung hero of our industry, where the actors and directors are celebrated. How can a solid, holistic drama program exist if all members do not experience all the moving parts?* *Technical theater will give you the opportunity to introduce lighting, sound,*	6-12	Approved but concerned that there is not enough room in the schedule.

	costuming, staging, stage management, and makeup into our program. *The great thing about this class is that it gives an opportunity for those who are not interested in performing an opportunity to be in the theater - behind the scenes.*		
CE MAT 1340- College Algebra	*Includes a brief review of intermediate algebra, equations, and inequalities, functions and their graphs, exponential and logarithmic functions, linear and nonlinear systems, selection of topics from among graphing of the conic sections, introduction to sequences and series permutations and combinations, the binomial theorem and theory of equations. Note: This course was previously listed as MAT 121.*	9-12	Approved- needed to satisfy most of the CE prerequisites.
Short Story Lit	*In this course, we will study works classified as Flash Fiction, Short Stories, and Novelettes which range from 100 - 20,000 words. Stories selected will range from the romantic period through postmodernism in an effort to expand student awareness and exposure to a wide range of ideas. Selections for stories will cover genres such as, but not limited to, Sci-Fi, Fantasy, Noir, Mystery, Gothic, and Adventure. All stories will be tied to major themes that students have previously encountered: Faith vs. Doubt, the Essence of Free will, Good vs. Evil, Justice, Identity, Survival and Character Development. In an effort to better understand the human experience from various lenses. Students will cultivate their understanding of humanity by applying lessons, themes, and ideas brought up in these stories with contemporary problems.*	9-12	Added to the student survey. Concern that with the new credit structure, this class would not be needed. Also have multiple courses on our books for LA that we are not currently teaching.
HS BEST Robotics	*Students will continue development of more advanced robotic concepts by*	9-12	Approved

	designing, building and programming a robot to meet BEST robotics challenges and competitions. Students will learn basic fabrication and work on customized designs and builds. Students will work in groups and be expected to collaborate, as well as share ideas and methods with other groups. This class will have a greater focus on developing text-based coding skills for robotic programming, such as Python and C++.		
HS First Robotics	*Students will continue development of more advanced robotic concepts by designing, building and programming a robot to meet FIRST robotics challenges and competitions. Students will learn basic fabrication and work on customized designs and builds. Students will work in groups and be expected to collaborate, as well as share ideas and methods with other groups. This class will have a greater focus on developing text-based coding skills for robotic programming, such as Python and C++ as well as fabrication methods.*	9-12	Approved
Aerospace Engineering II	*Students will continue to develop their skills in Aerospace Engineering and the Engineering Design Process as they focus on additional fields of Aerospace Engineering, such as Space Systems, Satellites, Orbital Mechanics, Drones and Space Materials. They will design, create and test drones, satellites, and other aerospace projects. They will analyze and simulate their designs virtually before developing precise manufacturing templates in order to build the physical projects. Students then will build their designs and compete in in-class and/or industry challenges. This course will help students to be prepared to compete in extracurricular competitions.*	10-12	Approved

MS BEST Robotics	*Students will continue development of more advanced robotic concepts by designing, building and programming a robot to meet BEST robotics challenges and competitions. Students will learn basic fabrication and work on customized designs and builds. Students will work in groups and be expected to collaborate, as well as share ideas and methods with other groups. This class will have a greater focus on developing text-based coding skills for robotic programming, such as Python and C++.*	6-8	Approved
HS CyberPatriots	*Students will learn skills for defensive cybersecurity techniques and building robust cisco networking models. They will get hands-on experience using virtualized environments, including how to secure and harden various windows and linux operating systems both desktop and server side systems. Focus on problem-solving and working in small teams to troubleshoot systems in a systematic way, including scripting and documenting their methodologies. *May be taken multiple times for credit*	9-12	Hold until we build the computer science program by hiring another teacher.
CE CSC2017-Adv Python Programming	*Continues program development and problem solving not covered in CSC1019: Introduction to Programming. Students will create larger programs in the areas of advanced expression, iterator objects, parsing, and GUI applications.* *Pre-reqs CSC1019 and MAT1340 or CSC1060* *https://www.arapahoe.edu/academics-programs/catalog/courses/2023-2024/csc-2017-advanced-python-programming*	9-12	Hold until we build the computer science program by hiring another teacher.

Revolutionary History	*This course will cover revolutions throughout history of every type. From wars for independence and popular uprisings to social revolutions like the agricultural and industrial - from the French Revolution to the Arab Spring, this course will have students understanding and analyzing what revolutions are and what it means for one to occur. Course competencies will be informed by the students' ability to engage in the historical process, understanding why things happen and forming interpretations on them.*	9-12	Added to the student survey. Concern that with the new credit structure, this class would not be needed. Also have multiple courses on our books for SS that we are not currently teaching.
Foundations of Engineering	*Survey course of engineering principles from a variety of disciplines. Students will have project based units on: 3D models and drawings, circuits, MATLAB coding, construction, materials, basic physics principles. This course helps prepare freshmen who did not attend STEM for middle school for more in-depth high school engineering paths (Biomedical, Aerospace, Robotics, etc). Can also be offered to 10-12th grade transfer students.*	9-12	Approved
Biomedical Engineering III	*A deep dive into the principles of biomedical engineering with the focus primarily being on aspects of infectious diseases, sterile control, tissue engineering and other medical interventions.*	9-12	Approved