# **College Calculus Mr. Bell**

**2015–2016 jbell@efcts.us**

**Course Outline 614-837-9443 (Ext. 1204)**

**Website:** All course information (syllabus, notes, homework, useful links) can be found at **bellmathfcc.weebly.com**

**Background Information**

Undergraduate Degree: Bachelor of Science in Agriculture (Ag Economics)

 The Ohio State University

Graduate Degree: Master of Education (Math Education)

 The Ohio State University

Teaching Experience: Fairfield Career Center (2011-2015)

Canal Winchester High School (1998-2011)

 Columbus State Community College (2010-15)

**Prerequisite:** Successful completion of Precalculus

**Course Description:** This is a dual enrollment class. Students will have the opportunity to earn both high school credit at FCC and college credit from Hocking College (Math 1163; 4 semester hours). Calculus is the study of limits, derivatives and their applications, integration and its applications, and differential equations. In addition, problems are represented algebraically, graphically, and numerically.

**Requirements for course:**

* **BE ORGANIZED:** A 3-ring binder is great or some other method (backpacks and pockets not acceptable!). It should contain all of your notes, homework, quizzes, and course handouts in an organized fashion.
* **CALCULATOR:** You are **required** to have a TI-83, TI-83 Plus, TI-84 or TI-84 Plus graphing calculator with you during **every class**. This calculator will enable you to represent each problem graphically. It will not take the place of doing each problem algebraically.
* **TEXTBOOK:** A textbook will be assigned to each student. Please take care of it. Many assignments will come from an online program that can be done online or from a printed copy.

**Extra Help**

If you find yourself falling behind, it is extremely important to seek help immediately. Please see me to discuss your options. There are math labs during both 2nd (Mrs. Leppla- Room 1203) and 4th periods (my room). I am also available before and after school and sometimes during my lunch (6th period).

**Grading- Weighted**

* **Practice Sets (20%)**
	+ Assignments will come from our textbook and other resources including an online program called Math XL. Some assignments will be graded for accuracy while others may be graded only for completion or not graded at all.

* **Weekly Quizzes and Tests (65%)**
	+ You can expect approximately 4 quizzes during each quarter. Some will be traditional paper and pencil quizzes while others may be completed online in class. Expect up to two major tests each quarter.
* **Daily Quizzes (15%)**
* At the beginning of most class periods, there will be a 5-10 question quiz over previously taught material. Students will have 3-5 minutes to complete them. Each question will typically cover a singular concept whose response will require basic knowledge and comprehension of that concept. The purposes of these daily quizzes include increased retention, student accountability, and providing me with information on concepts that need more attention.
* **Make-up work** is the students’ responsibility. If a student misses a quiz or test, they must set a time within the school’s guidelines to make-up the quiz/test.
* All graded material is subject to change. Mr. Bell reserves the right to make changes in the rules or grading as they are needed.

**Semester/Final Exam:** There will be a semester exam administered in December. The content of this exam will be comprised of the first two nine weeks only. The final exam will be administered at the end of the year and is a comprehensive exam covering the entire year. In compliance with the EFCTS district, the semester average is 2/5 for both nine week terms, and 1/5 for the semester/final examination.

**GRADING SCALE**

 A = 92 – 100 % D = 60 – 71 %

 B = 82 – 91 % F = 0 – 59 %

 C = 72 – 81%

###### Class Expectations/Consequences

1. **Cell phones and other electronic devices are not to be used during class and should be put away unless otherwise indicated by Mr. Bell. See school policy in handbook.**
2. **Be On Time/Wait to be dismissed**: One unexcused tardy is tolerated each semester. Any additional unexcused tardies may result in disciplinary action. Please wait to be dismissed by me at the end of the period.
3. **Be Prepared:** Bring all materials to class daily; you will not be permitted to leave class to go get material once the tardy bell rings.
4. **Respect Others:** Every student has the right to learn in a safe and positive environment. Respect this right and come to class each day ready to learn.
5. **DO NOT bring food or drink to class. A clear bottle of water is allowed.**
6. All other school rules in the FCC student handbook are in force. Any infraction of the above rules may result in a detention and/or office referral and/or parental contact.