**CCBC Essex School of Mathematics and Science**

MATH 153 Introduction to Statistical Methods **Section: E75**

**CLASSROOM LOCATION: J200 Tuesday, Wednesday, Thursday 6pm – 8:35pm**

## Instructor: Anthony Calise Semester: Summer 2010

**Phone:**  **Email:** acalise2@bcps.org

**Office:** **WEBSITE:** www.mrcalise.weebly.com

**Office hours:**. (No appointments needed)

 Tuesdays: noon - 12:45pm

 Wednesdays: noon – 12:45pm

 Thursdays: noon – 12:45 pm

 Or contact me to set an appointment if none of those times are possible

**Course Pre-requisites:** RDNG 052 or ESOL 054 and MATH 083

## COURSE DESCRIPTION

**MATH 153 – 4 credits - Introduction to Statistical Methods** develops an understanding of statistical methodology and use of critical judgment in analyzing data sets. Topics include descriptive statistics, introduction to probability, normal and binomial distributions, hypothesis testing, confidence intervals, regression and correlation, and chi-square distribution. A statistical computer package, e.g. Minitab, is introduced as a computational tool and integrated throughout the course.

**REQUIREMENTS**

 Homework/Quizzes: Total of 10%

 Projects: Two projects for total of 20%

 Exams: Four exams for 10% each

 Final exam: 30%

An additional 6% can be earned by performance on the non-quiz grade homework’s, class participation, and class attendance. This can be looked at as a chance to show proficiency on the material beyond the quizzes, exams, and projects.

 PROJECTS: Projects may involve a write up, a 5 – 10 minute presentation

of an activity to the class, a computer activity or some application of the course material in order to solve a real life situation.

QUIZZES: There will be 5 quizzes or graded homeworks throughout the semester.

The in class quizzes will each be short (10-15 minutes), worth 10 points, on material covered recently, possibly open book and or notes, and usually not announced in advance. The lowest two quizzes will be dropped. Quizzes will often be at the end of class but could be given at any time.

HOMEWORK: There will be homework assigned each class usually due for the next class. The homework’s will usually consist of a few “self check” problems either from the text or given on the website. The self check problems from the text have answers given in the textbook’s appendix and will often be warm-up questions or questions not requiring much explanation. The self check problems given at the website will have solutions with comments. The other questions will be denoted as being for hand in. These will usually be submitted and returned with corrections and solutions the next class. The HW’s will be marked with a check plus, check, or check minus but will not be graded more formally than that. Sometimes the hand in problems will be presented on the board the day they are due instead of being submitted. It is also possible that instead of being gone over individually there will be questions and answers for them. Unless I say otherwise collaboration is allowed on the homework’s, but say on which problems and with whom you worked with or got assistance from.

 EXAMS: Will be on material covered in class anytime prior to the exam. The exact

 dates will be given at least one week in advance. These exams will not

take an entire class period and new material will be covered after the exam if the exam is at the beginning of class.

FINAL EXAM: the final exam will be comprehensive. The exact date and time will be given to you at some point in the first few weeks of class.

**Grading policy**

Grade Scale:

A – at least 90.0%

B – at least 80.0%

C – at least 70.0%

D – at least 60.0%

F – below 60.0%

**Attendance policy FOR THIS COURSE:** You are expected to attend all scheduled classes. Should you miss a class, you are responsible for all work missed.

**TEXT(S):**

*Intro Stats* by Deveaux, Vellerman and Bock 3rd edition. Published by Pearson Addison- Wesley

**Special procedures** No use of cell phones or other electronic communication devices is allowed during class time. If you have special circumstances see me individually.

You should bring the text book every class.

**ATTENDANCE POLICY**

Attendance at each class and lab is essential. Please be on time. Students with a legitimate problem about attendance should discuss the situation with their instructor.

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**COURSE REPEAT POLICY**

Policy on Repeated Courses, page 194 of the 2004-2006 CCBC catalog states, “Students may repeat a course only once without permission. When a student repeats a course, only the higher grade is computed into the Quality Point Average (QPA). All grades will remain on the student’s transcript. Before a student is permitted to register for the course for a third time, the student must have the permission of the academic dean responsible for the course. Before a student may repeat a developmental course that he or she has failed twice, the student’s record must be reviewed by a support team which will make recommendations regarding enrollment.” Please note: The instructor does not have the authority to grant permission to register for a third attempt at the course.

# Disabled Students

In accordance with the Americans with Disabilities Act, CCBC is committed to providing an environment that is conducive to learning for all students. Any student who is disabled and requires special accommodation should contact the appropriate campus as follows:

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| **Campus:** | **Office:** | **Room:** | **Phone:** |
| **Catonsville** | Office of Disabilities Support **Services** | **K-200** | **410-455-4382** |
| **Dundalk** | Office of Career and Life Planning | **A-100** | **410-285-9774** |
| **Essex** | Office of Special Services | **A-210** | **410-780-6878** |

Code of Academic Integrity

For the College to make its maximum contribution as an institution of high learning, the entire college community must uphold high standards of integrity, honesty, and ethical behavior. In seeking the truth, in learning to think critically, and in preparing for a life of constructive service, honesty is imperative. Each student has a responsibility to submit work that is uniquely his or her own, or to provide clear and complete acknowledgement of the use of work attributable to others. To these ends, the following actions are expected of students:

* Complete all work on exams without assistance.
* Follow the professor’s instructions when completing all class assignments.
* Ask for clarification when instructions are not clear.
* Report to the instructor any unauthorized information related to an exam.
* Provide proper credit when quoting or paraphrasing.
* Submit only one’s own work.

Students who do not accept responsibility for the integrity of their own work will experience sanctions, including a written reprimand, failure of the assignment, failure of the course, and/or dismissal from the program. For repeat and extreme offenses, the College reserves the right to suspend or expel students.

# Writing Policy

The College recognizes that clear, correct, and concise use of language is characteristic of an educated person. Therefore, whenever possible, faculty members in all disciplines should require written assignments in their courses in order to encourage effective writing by their students. Also, instructors should consider the quality of writing in determining a grade for a written assignment. Poor writing can be a sufficient cause for a failing grade on a paper and, in extreme cases, a failing grade in a course.

# Inclement Weather/Emergency Closing Policy

In the event that the college (or a specific campus) opens late due to weather-related or other emergency conditions, classes will commence at the announced opening time and resume the normal schedule thereafter for the remainder of the day. Faculty, students, and classified staff should report to wherever they would normally have been at the announced opening time. \*\*

Students and faculty engaged in field placement programs (such as internships, clinical placements, etc.) should discuss the handling of emergency situations at the beginning of the placement period. Both the requirements of the program and the safety of persons involved should be considered in planning a course of action in those cases where students are expected to report to off-campus locations.

\*\* For example, if you had a class that began at 9:35 and the college opened at 10:00 because of snow, you would report to your 9:35 class at 10:00.

When the college closes because of severe weather or emergency conditions, announcements of class cancellations are made on local radio and television stations and the college website ([www.ccbcmd.edu](http://www.ccbcmd.edu)). Closings and delays will also be recorded on the campus weather lines:

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| **Catonsville** | 410-455-4567 |
| **Dundalk** | 410-282-6700 |
| **Essex** | 410-780-6711 |

###### TUTORING SERVICES

Students are encouraged to seek help from their instructors whenever they encounter academic difficulty (either during scheduled office hours or by appointment). In addition, each campus offers free academic support services.  For more information, contact:

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| **Campus:** | **Office:** | **Room:** | **Phone:** |
| **Catonsville** | **Tutoring Services** | **F-200** | **410-455-4420** |
| **Dundalk** | **Tutoring Services** | **CAR-530** | **410-285-9877** |
| **Essex** | **Student Success Center** | **A-307** | **410-780-6820** |

**CIVILITY AND COMMUNITY BUILDING EXPECTATION**S

Creating a Culture of CARE©

(Compassion, Appreciation, Respect, Empowerment)

As members of the CCBC community of learners, we are expected to act with respect, honesty, responsibility and accountability. Each of us is expected to be aware of the impact our behavior has on the community. CCBC wishes to each learner to commit to the following actions:

 • Become an active and engaged learner

 • Celebrate the richness of our diversity

 • Respect the campus and its code of conduct

 • Practice empathy and compassion

 • Promote the empowerment of others

**MAJOR RELIGIOUS HOLIDAY POLICY**

Students not attending class because they are observing major religious holidays shall be given the opportunity, to the maximum extent possible, to make up, within a reasonable amount of time, any academic work or tests they miss. Arrangements between the student and the faculty member(s) for the student to make up missed assignments or tests **must be made in advance of the religious holiday, at the initiation of the student.**

STUDENT E-MAIL ACCOUNTS

CCBC has joined the ranks of the very few community colleges in Maryland who provide email accounts to all credit students. Each student who is registered in credit classes now has an email account and up to 5 Mb of storage in their mail box. This account will not be deleted even if the student graduates or leaves CCBC for any reason.

For information about the system and how students can determine their email address, go the CCBC Home Page and click on “Student Email”. From here students can find their email address, get to an on-line user manual and access instructions on how to forward the CCBC email to the system of choice (AOL, Comcast, Hot Mail, etc.)