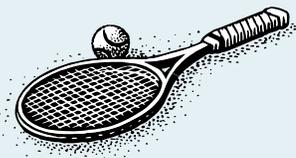## Physical Education

PED 125 — **The** **Beginning Self-Defense** course allows students to develop rudimentary skills in self-defense including stances, blocks, punches, and kicks.

PED 128 — **The** **Beginning Golf** course emphasizes the fundamentals of golf including proper grip, stance, alignment, swings for the short and long game, putting, rules and etiquette. Intermediate golf is also offered.

PED 130 — **The** **Beginning Tennis** course provides students with basic knowledge on strokes, rules, etiquette, and court play. Intermediate tennis is also offered. Students completing the beginning tennis course will be able to play recreational tennis; students completing the intermediate tennis course will be able to play competitive tennis.

Get Involved With The Community Through Math Club

The CFCC Math Club is an excellent avenue for students to get involved in their college and community. A few of the Math Club endeavors include tutoring, fund raising for CFCC's Holiday Helpers program, Pi Day at the local Children's museum and cooking at the Good Shepard House. The club also implemented Cape Chat, a student centered forum for sharing ideas worth dispersing worldwide. The CFCC TV/Video Production crew films, edits and produces the Cape Chats which can then be viewed through CFCC's YouTube site.

Faculty Advisor: Mrs. Laura Taylor
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Cape Fear
COMMUNITY COLLEGE.

MATHEMATICS & PHYSICAL EDUCATION DEPARTMENT

Opening Doors of Opportunity

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Fax: 910-362-7459
Math/PE Website: http://www2.cfcc.edu/math/
*For a full course listing refer to the CFCC catalogue.

Transferring to a University? A few options include ......

MAT 143 - The **NEW Quantitative Literacy** course that engages students in realistic situations involving numeracy, proportional reasoning, dimensional analysis, rates of growth, personal finance, consumer statistics, practical probabilities and mathematics for citizenship. This course is four contact, three credit hours.

MAT 152 - The **NEW Statistical Methods I** course provides a project based approach to introductory statistics with emphasis on real – world data and statistical literacy. In this course we explore descriptive statistics, correlation and regression, basic probability, discrete and continuous probability distributions, confidence intervals and hypothesis testing. This course is four contact, three credit hours.

MAT 171 - The **NEW Precalculus Algebra** with embedded lab is designed to develop skills necessary for the study of calculus. Students will use analytical, graphical and numerical representations to solve various equations with both real and complex solutions. Real world scenarios will be explored allowing students to advance their analytical, deduction and prediction skills. This course is five contact, four credit hours.

$$R = \frac{circumference}{2\pi}$$

Mathematics for Vocational Occupations

MAT 110 - The **NEW Mathematical Measurement and Literacy** course is an activity-based approach that develops measurement and mathematical literacy skills using technology. Students will investigate conversions, ratio and proportions, basic geometry, financial literacy and basic statistics. Listed below are just a few career opportunities that are opened through Mathematical Measurement and Literacy.

* Air Conditioning, Heating, and Refrigeration

* Boat Building

* Carpentry

* Welding Technology

* Culinary Arts

* Hospitality Management

* Early Childhood Education

* Sonography

* Pharmacy Technology

Mathematics for Technical Careers

MAT 121 - The **New Algebra/Trigonometry I** course provides an integrated approach to technology and skills required to manipulate, display and interpret mathematical functions and formulas used in problem solving. Concepts include plane and solid geometry, area and volume, basic proportion applications, solving equations and inequalities, radical functions, complex numbers and right angle trigonometry. Listed below are just a few career opportunities that are opened through Algebra and Trigonometry.

* Marine Technology

* Chemical Technology

* Nuclear Technology

* Computer Engineering Technology

* Computer Information Systems

* Electrical Systems Technology

* Electronics Engineering Technology

* Industrial Systems Technology