

# EARLY COLLEGE @ LYNN – SPRING 2019

January 28, 2020 - May 6, 2020

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## **FFL100 - First Year Experience (STEM Focus)**

**Tuesday/Thursday 4:30 p.m. – 5:55 p.m.**

*Pre: CPT Reading = 32 or above or equivalent*

This course provides the skills, knowledge, and abilities for academic persistence and performance development, as well as the psychosocial influencers on college and career success. In addition to decision making, critical thinking, study, oral and written communication skills, topics include educational goal setting, college orientation, successful academic behaviors, and career and life planning. Emphasis is placed on cross cultural awareness, personal and social responsibility, resource availability, and college policies and procedures. This course is highly recommended for first-year students and students seeking an Associate Degree. Fulfills open and liberal arts electives.

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## **PHI120 Medical Ethics**

**Wednesday 4:30 – 7:45**

*Pre: Communications Proficiency*

Recent developments in the bio-medical fields have led to considerable moral perplexity about the rights and duties of patients, health professionals, research subjects, and researchers. This course presents a brief introduction to ethical theory and a set of diverse, carefully selected readings (pro and con) on some of the most contemporary issues in bioethics. Some of these issues that will be analyzed and discussed are the following: abortion and infanticide, the problems of birth defects, euthanasia, psycho-surgery, behavior and genetic control, and the claim to health care. Fulfills open, liberal arts and humanities electives.

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## **MAT143 Introduction to Statistics**

**Thursday 5:00 – 8:15**

**Prerequisites:** Communication proficiency or P/SAT Evidence based Reading and Writing of 550 or above and Mathematics proficiency and CEAR 54 or above, or NGQA 262 or above, or P/SAT Math 540 or higher

This course is an introduction to descriptive and inferential statistics and the basic laws of probability as used in business, social science, or education. Topics examined are: frequency distributions, measures of central tendency, measures of dispersion, normal distributions, confidence intervals, sampling, introduction to hypothesis testing, correlation, and linear regression. Other topics such as chi-square distribution and F-distribution will be covered as time permits. The course emphasizes the practical understanding and use of concepts and procedures essential to statistical analysis (statistical software may be used at the instructor's discretion for solving applied problems). Fulfills open, liberal arts and mathematics electives.