Welcome!

University Course Description
Students review and orally present current breaking research in mathematical oncology and modeling approaches. Presentations require critical evaluation of the published data. Students also receive critique on presentation skills.

Course Purpose
The purpose of the course is to learn and master critical evaluation of primary data, peer-reviewed scientific papers with an emphasis on research related to mathematical modeling of cancer. In addition students learn oral presentation skills, an essential part of training as a research scientist.

Course Objectives
The overall objective of this course is for Integrated Mathematical Oncology students to learn to critically evaluate research for coherence with respect to the authors’ rationale, quality of the methodology employed, justifiability of the conclusions and the place of the paper in the field. The course has the following specific objectives:
1. Learning and honing skills on dissecting scientific literature.
2. Increasing knowledge of current literature in mathematical oncology research.
3. Practicing scientific presentation skills.
4. Developing and practicing scientific discussion skills.

Student Learning Outcomes
Students will demonstrate the ability to discuss current advances in integrated mathematical oncology approaches and application. Students will demonstrate the ability to critically evaluate data and interpretations presented in published scientific research papers.
Students will demonstrate the ability to effectively convey scientific information in an oral format and through supporting media presentations such as PowerPoint.