DE LA SALLE UNIVERSITY
College of Science
Department of Mathematics

GRAPTHE   *Graph Theory*
Prerequisite: Linealg   *Prerequisite to:*

Instructor: **Contact details:**
Consultation Hours: **Class Schedule and Room:**

Course Description

An introductory course in graph theoretic concepts which include connectivity, trees, traversability, factorizations, planarity, colorability. Applications in operations research and computer sciences as well as open problems are also discussed.

Learning Outcomes

On completion of this course, the student is expected to present the following learning outcomes in line with the Expected Lasallian Graduate Attributes (ELGA)

ELGA	Learning Outcome
Critical and Creative Thinker	
Effective Communicator	
Lifelong Learner	
Service-	

References

Chartrand, G., *Graphs as Mathematical Models*, Prindle, Weber & Schmidt, Inc., 1977
Harary, F., *Graph Theory*, Addison-Wesley, 1961