

NIRMA UNIVERSITY
Institute of Management
Master of Business Administration (Full Time) Programme/
Integrated Bachelor of Business Administration-Master of Business
Administration Programme/
Master of Business Administration (Family Business &
Entrepreneurship) Programme

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Course Code	MFT5SESM12 MBM5SESM12 MFB5SESM12
Course Title	Strategic Application of Game theory

Course Learning Outcomes (CLO):

At the end of the course, the students will be able to:

1. Identify the key elements of the situation is critical for strategic thinking.
2. Appraise Innovation potential of an organization
3. Modify game being played to your advantage through credible commitments threats, and promises

Syllabus

Teaching Hours

Unit I: Conceptual foundations of Game Theory <ul style="list-style-type: none"> • Game Theory as an Analytical Methodology • Strategic Interactions • Extensive Form and Normal form • Dominant Strategy • Nash Equilibrium 	07
Unit II: Strategic Moves and uncertainty <ul style="list-style-type: none"> • Uncertainty and Information • Strategic Moves • Prisoners' Dilemma • Repeated Games 	03
Unit III: Strategic Applications <ul style="list-style-type: none"> • Applications to specific Strategic Situations • Markets and Competition • Bargaining –Auction 	05

Suggested Readings:

1. Myerson, R. B., Game theory. Harvard university press.
2. Osborne, M. J., An introduction to game theory (Vol. 3, No. 3). New York: Oxford university press.

w.e.f. Academic Year 2019-20 and onwards