



*Computational Mechanics Graduate Program*

**Course Syllabus: CMGP 19 Research Seminars Series**

*Coordinators: Dr. N. Ben Salah, Dr. S. El-Borgi*

**Course Offering:** Quarters 1, 2, 3 and 5 (Required Course; 3 hours total; 0.3 Credit hours)

<b>List of Seminars (2003/2004)</b>			
<b>Speaker</b>	<b>Institution</b>	<b>Title of Seminar</b>	<b>Date</b>
Dr. Carlos Ventura	Dept. of Civil Engineering Univ. of British Columbia Canada	Identification and Damage Detection Studies of the Z24 Highway Bridge in Switzerland	April 16 <sup>th</sup> 2003
Dr. Slimane Adjerid	Dept. of Mathematics Virginia Tech, USA	Superconvergence of the Discontinuous Galerkin Finite Element Method	May 28 <sup>th</sup> 2003
Dr. Sadok Gallouz	Royal Military College of Kingston, Ontario, Canada	Turbulent Flows	June 7 <sup>th</sup> 2003
Dr. Ali H. Nayfeh	Dept. of Engineering Science and Mechanics Virginia Tech, USA	Nonlinear Dynamics: Phenomena and Applications	June 7 <sup>th</sup> 2003
Dr. Zafer Gurdal	Dept. of Engineering Science and Mechanics Virginia Tech, USA	Structural Optimization: Past, Present, and Future	August 7 <sup>th</sup> 2003
Dr. Serkan Dag	Dept. of Mechanical Engineering Middle East Technical University Ankara, Turkey	Contact Mechanics of A Graded Surface with Elastic Gradation in Lateral Direction	September 19 <sup>th</sup> 2003
Dr. Nejmeddine Chorfi	Faculty of Sciences of Tunis Tunis, Tunisia	Mortar Spectral Element Methods for Elliptic Equations with Discontinuous Coefficients	December 17 <sup>th</sup> 2003
Dr. Ridha Ben Mrad	Dept. of Mechanical Engineering University of Toronto Toronto, Canada	Development of Precision Positioning Stages and Microactuators	January 21 <sup>st</sup> 2004
Dr. Sami El-Borgi	Dept. of Mechanics Tunisia Polytechnic School La Marsa, Tunisia	Stress Intensity Factors for an Interface Crack between a Functionally Graded Coating and a Homogeneous Substrate	January 28 <sup>th</sup> 2004
Dr. Wajdi Habashi	Multidisciplinary Computational Fluid Dynamics Laboratory McGill University Montreal, Quebec, Canada	In Flight Icing Simulation: The Role of the Computational Fluid Dynamics	April 19 <sup>th</sup> 2004
Dr. Slim Choura	Preparatory Institute of Engineering Studies of Sfax Sfax, Tunisia	Active Control of Linear Time Varying Structures by Confinement of Vibrations	April 23 <sup>rd</sup> 2004
Dr. Radhia Bessi Fourati	Higher Institute of Applied Sciences and Technology of Sousse Sousse, Tunisia	The Obstacle Problem for Water Tanks	June 4 <sup>th</sup> 2004