

REPUBLIQUE DU CAMEROUN  
Paix – Travail – Patrie

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INSTITUT UNIVERSITAIRE BENGONO  
TOURE GENEVIEVE  
Scientiarum - Excellentiam - Nobel  
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REPUBLIC OF CAMEROON  
Peace-Work-Fatherland

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THE BENGONO TOURE GENEVIEVE  
UNIVERSITY INSTITUTE  
SCIENTIARUM – EXCELLENTIAM – NOBEL  
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**INSTITUT SUPERIEUR DES SCIENCES DE L'INGENIEUR, DES INDUSTRIES ET DE L'INNOVATION**  
**THE HIGHER INSTITUTE OF ENGINEERING SCIENCES, INDUSTRIES AND INNOVATION**

Campus de Yaoundé (Quartier de Ndjoungolo-Rue Ceper et de Mvog-Mbi) – BP. : 11618 Yaoundé – Cameroun /  
Email : [info@iubtgedu.org](mailto:info@iubtgedu.org) ; [iubtg01@gmail.com](mailto:iubtg01@gmail.com) Web : [www.iubtgedu.org](http://www.iubtgedu.org) Tel : (+237)696146530 / (+237) 243 17 09 90

**DOCTOR OF PHILOSOPHY IN MECHANICAL MANUFACTURING ENGINEERING**

CODES	COURSE NAMES	CREDIT
	<b>YEAR I</b>	3
DPMME100	Automotive Control	3
DPMME101	Heat and Mass Transfer	3
DPMME102	Intermediate Fluid Mechanics	3
DPMME103	Gas Dynamics	3
DPMME104	Structure of Materials	2
DPMME105	Electrical and Optical Properties of Materials	3
DPMME106	Thermodynamics and Kinetics	3
DPMME107	Thermal Properties of Materials	3
DPMME108	Mechanical Properties of Materials	3
DPMME109	Synthesis, Characterization and Processing of Materials	3
DPMME110	Synthetic Polymer Chemistry	3
DPMME111	Composite Materials	3
DPMME112	Mechanical Vibrations	3
DPMME113	Mechanical Behavior of Materials	3
DPMME115	Vibrational Spectroscopy	3
DPMME116	Thesis seminar I (Doctoral Proposal Development)	3
DPMME117	Year One: Phd Research Thesis (Literature Review + Methodology)	10
		<b>60</b>
	<b>YEAR II</b>	
DPMME200	Statistical Mechanics of Polymers	3
DPMME201	Rubber Elasticity	3
DPMME202	Combustion	3
DPMME203	Renewable Energy	3
DPMME204	CAD/CAM Theory and Applications	3
DPMME205	Stress Analysis	3
DPMME206	Finite Element Analysis	3
		3
DPMME207	Analysis and Design of Robotic Manipulators	
DPMME208	Biomechanics of the Musculoskeletal System	3

DPMME209	Electromechanical Systems and Applied Mechatronics	4
DPMME210	Friction and Wear	4
DPMME215	Thesis seminar I (Results and Findings)	5
DPMME216	Thesis seminar II(Publication of 2 articles)	10
DPMME217	Year Two : Phd Research Thesis (Results and Findings)	10
		<b>60</b>
	<b>YEAR III</b>	
DPMME 300	Mechatronics Design Laboratory	2
DPMME 301	Advanced Finite Element Analysis	2
DPMME 302	Robotics	4
DPMME 310	International Conference + Publication articles( 2)	6
DPMME 311	Third-Year Research Seminar (Discussion and Conclusion)	6
DPMME 312	Year Three: Thesis ( Dissertation Defense)	40
		<b>60</b>