

REPUBLIQUE DU CAMEROUN  
Paix – Travail – Patrie

-----  
INSTITUT UNIVERSITAIRE BENGONO  
TOURE GENEVIEVE  
Scientiarum - Excellentiam - Nobel  
-----



REPUBLIC OF CAMEROON  
Peace-Work-Fatherland

-----  
THE BENGONO TOURE GENEVIEVE  
UNIVERSITY INSTITUTE  
SCIENTIARUM – EXCELLENTIAM – NOBEL  
-----

**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 ELECTRICAL ENGINEERING**

CODES	COURSE NAMES	CREDIT
	<b>YEAR I</b>	3
DPEE100	Control Engineering	3
DPEE101	Power Systems	3
DPEE102	Communications Skills	3
DPEE103	Signal Processing	3
DPEE104	Solid-state Electronics	2
DPEE105	Applied Eletromagnetics	3
DPEE106	Artificial intelligence	3
DPEE107	Electrophysics	3
DPEE108	Antennas	3
DPEE109	Applied Superconductivity	3
DPEE110	Microwaves	3
DPEE111	Human Control and Decision Making	3
DPEE112	Fuzzy Logic	3
DPEE113	Power Systems Optimization	3
DPEE115	Optical Spectroscopy	3
DPEE116	Thesis seminar I (Doctoral Proposal Development)	3
DPEE117	Year One: Phd Research Thesis (Literature Review + Methodology)	10
		<b>60</b>
	<b>YEAR II</b>	
DPEE200	Fiber Optics	3
DPEE201	Semiconductor Materials Growth	3
DPEE202	Characterization and Device Fabrication	3
DPEE203	Mathematical Physics	3
DPEE204	Quantum Field Theory and Magnetism	3
DPEE205	Software Engineering	3
DPEE206	Computer Networks: Technology and Application	3

		3
DPEE207	Advanced Operating Systems	
DPEE208	Telecommunications	3
DPEE209	Advanced Materials Science	4
DPEE210	Advanced Industrial Robotics	4
DPEE215	Thesis seminar I (Results and Findings)	5
DPEE216	Thesis seminar II(Publication of 2 articles)	10
DPEE217	Year Two : Phd Research Thesis (Results and Findings)	10
		<b>60</b>
	<b>YEAR III</b>	
DPEE 300	Advanced Fluid Mechanics	2
	Advanced Dewatering and Drying Engineering	2
DPEE 301		
DPEE 302	Analog Circuit Design and Radio Systems	4
DPEE 310	International Conference + Publication articles( 2)	6
DPEE 311	Third-Year Research Seminar (Discussion and Conclusion)	6
DPEE 312	Year Three: Thesis ( Dissertation Defense)	40
		<b>60</b>