**Faculty of Integrated Technologies (FIT)**

**Module Offering for January 2020 (Semester 2, 2020-2021)**

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| **Faculty of Integrated Technologies (FIT)** | | | | | | | |
| **Programme** | **Major/Concentration** | **Module Code** | **Modules January Semester 2020/2021** | **Practical Component** | **% Breakdown** | | **Mode of Delivery** |
|  |  |  |  |  | **Practical assessment** | **Non-practical (Lecture, Tutorials, etc)** |  |
| **General Engineering** | General Engineering | TG-1212 | Engineering Design II | yes | 70 | 30 | Offline |
| TG-1301 | Engineering Chemistry | yes | 20 | 80 | Offline |
| TG-1305 | Introduction to Computer Aided Engineering | yes | 80 | 20 | Offline |
| TG-1307 | Engineering Electromagnetics | yes | 30 | 70 | Offline |
|  |  |  |  |  |  |  |
| General Engineering | TG-2214 | Engineering Design IV | yes |  |  | Offline |
| TG-2304 | Thermodynamics and Energy Conversion | yes | 20 | 80 | Offline |
| TG-2308 | Fundamentals of System Design and Analysis | no | 0 | 100 | Offline |
| TG-2309 | Electronic Instrumentation | no | 0 | 100 | Offline |
|  |  |  |  |  |  |  |
| General Engineering | TG-3216 | Engineering Design VI | yes | 60 | 40 | Offline |
| TG-3306 | Innovation and Entrepreneurship II | yes | 30 | 70 | Offline |
| TG-3307 | Fluid and Thermal Engineering | yes | 10 | 90 | Offline |
| Energy Systems | TE-3303 | Introduction to Turbomachinery | yes | 20 | 80 | Offline |
| TE-3304 | Electromechanical Energy Conversion and Control | yes | 20 | 80 | Offline |
| Info-Communication Systems | TF-3303 | Introduction to Communication Systems | yes | 30 | 70 | Offline |
| TF-3304 | Digital Signal Processing | yes | 20 | 80 | Offline |
| Manufacturing Systems | TM-3303 | Product Design for Manufacturing and Assembly | no | 0 | 100 | Online |
| TM-3304 | Mechatronics | yes | 30 | 70 | Offline |
|  |  |  |  |  |  |  |
| Energy Systems | TE-4203 | Capstone Design Project (Energy Systems) | yes | 75 | 25 | Offline |
| TE-4304 | Energy Efficiency and Policy | no | 0 | 100 | Offline |
| TE-4305 | Energy Audit | no | 0 | 100 | Offline |
| TE-4306 | Energy Storage Systems | no | 0 | 100 | Offline |
| TE-4307 | Energy Systems and Sustainability | no | 0 | 100 | Offline |
| Info-Communication Systems | TF-4203 | Capstone Design Project (Info-Communication Systems) | yes | 75 | 25 | Offline |
| TF-4304 | Mobile and Wireless Network Systems | yes | 30 | 70 | Offline |
| TF-4305 | Optical Communication Systems | no | 0 | 100 | Offline |
| TF-4306 | Network Programming | yes | 30 | 70 | Offline |
| TF-4307 | Information Communication Security | yes | 20 | 80 | Offline |
| Manufacturing Systems | TM-4203 | Capstone Design Project (Manufacturing Systems) | yes | 75 | 25 | Offline |
| TM-4304 | [Manufacturing Management and Manufacturing Systems](https://owa.ubd.edu.bn/owa/redir.aspx?C=1tDLqgn_s3vFHHQ9fG0jRR_7RUIsqw-pWQ765t-bBryOJCpv8BPWCA..&URL=http%3a%2f%2fmyubd.ubd.edu.bn%2fc%2fdocument_library%2fget_file%3fuuid%3d4d1b2b6e-b09a-4c1e-9097-910e9bb71bec%26groupId%3d17401) | yes | 25 | 75 | Offline |
| TM-4305 | [Industrial Quality Control](https://owa.ubd.edu.bn/owa/redir.aspx?C=CtsTjpCaoKpT1MzpSBEQYwf2lR9FHW1KGCBNatvGAaqOJCpv8BPWCA..&URL=http%3a%2f%2fmyubd.ubd.edu.bn%2fc%2fdocument_library%2fget_file%3fuuid%3d44e5c8dc-fafc-4169-933c-7beb03697cf2%26groupId%3d17401) | no | 0 | 100 | Offline |
| TM-4306 | [Design of Machine Elements](https://owa.ubd.edu.bn/owa/redir.aspx?C=Zbeq5oAQe-n2MTsCmjgjzWb4ZTNUCxwqyFmchDstUqGOJCpv8BPWCA..&URL=http%3a%2f%2fmyubd.ubd.edu.bn%2fc%2fdocument_library%2fget_file%3fuuid%3d999109ce-d6a6-4454-991f-4fad4a050012%26groupId%3d17401) | yes | 25 | 75 | Offline |
| TM-4307 | [Advanced Manufacturing Processes](https://owa.ubd.edu.bn/owa/redir.aspx?C=K1T1mrNRJ0UFiPkZW7BFt78iQaNfcsgiM0l4j5dU_4iOJCpv8BPWCA..&URL=http%3a%2f%2fmyubd.ubd.edu.bn%2fc%2fdocument_library%2fget_file%3fuuid%3d5a0d92a2-19d1-4a75-8ad3-e65dec3a3e95%26groupId%3d17401) | yes | 25 | 75 | Offline |
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| **Chemical and Process Engineering** | General Engineering | TG-1202 | Fundamentals of Inorganic Chemistry for Engineers | yes | 20 | 80 | Offline |
| TG-1203 | Fundamentals of Physical Chemistry for Engineers | yes | 15 | 85 | Offline |
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| General Engineering | TG-2301 | Energy Balance | no | 0 | 100 | Offline |
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