IB Physics

Electrostatics and Field Theory - Chapter 16 & 17 Syllabus

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| **M** | **13****Oct****5** | **DI**-Conductors/Stupid Van de Graaff tricks**DI**-Charging**GW**-Vector Forces (16.1) | **VF 16A, 16B, 16D1, 16D2 (Forces)**Read Oxford 5.1a: pp. 169 - 175 |
| **T** | **14****Oct****6** | **GW**- Vector Forces (16.1)**SA16.1 - Vector Force (Due by Thursday)** | **Turn in:** FA 16.1 - Vector Forces |
| **Th** | **15****Oct****8** | **GW**-Vector Fields (16.2) | **VF 16E, 16F, 16G1, 16G2 (Fields)**Read Oxford 5.1b: pp. 175 - 182 |
| **F** | **16****Oct****9** | **GW**-Vector Fields (16.2)**SA-16.2 - Vector Fields (Due by Monday)** | **Turn in:** FA16.2 - Vector Fields |
| **M** | **17****Oct****12** | **GW**-Voltage (17.1) | **VF 16H, 16I, 16K, 16L, 16M (Point voltages)** |
| **T** | **18****Oct****13** | **GW**-Voltage (17.1) |  |
| **Th** | **19****Oct****15** | **GW**-Conservation of energy (17.1) | **VF 16J, 16Q** |
| **F** | **20****Oct****16** | **SA17.1-Voltage (Due by Monday)****DI**-RC Circuits | **Turn in:** FA 17.1 - Energy |
| **M** | **21****Oct****19** | **DI**-CRT Demo**GW**-RC Lab/IA/IB Questions | **VF 16N, 16O, 16P** |
| **T** | **22****Oct****20** | **GW**-RC Lab/IA/IB Questions |  |
| **Th** | **23****Oct****22** | **GW**-RC Lab/IA/IB Questions | **Turn in:** FA 17.2 - CRT |
| **F** | **24****Oct****23** | **IA “Show and Tell” day** | **Turn in:** IB Field Theory Questions |
| **M** | **25****Oct****26** | Begin Currents and Circuits | **VF 18A, 18B, 18C, 18D, 18E****Turn in:** RC Circuits lab**Turn in:** Field Theory Mock Test |

Assignments

* 1 Lab:
	+ RC Circuits Lab - a capacitor discharging /30 pts
* 2 Formative assignments:
	+ IB Field Theory Questions
	+ Field Theory Mock Test
* 4 Formative/3 Summative Assessments:
	+ 16.1 – Coulomb’s law, electric field, net force
	+ 16.2 – Vector electric field
	+ 17.1 – Voltage due to point sources, work.
	+ 17.2 – CRTs and Capacitors (no summative)