

ENT1201 CALENDAR SP2020

	date	day	Topics	Assignments	OER WEB LINKS
1	01/31	Fri	<ul style="list-style-type: none"> - Introduction - Electron theory - Materials and conductivity - Magnets and Magnetism - Electromagnetism and its applications. 	Quiz # 1 (At the end on the class)	<ul style="list-style-type: none"> • <u>Electricity Fundamentals (Wisc Online – Wisconsin University)</u> • <u>Semiconductors fundamentals- James Fiore. Chapter 1 pages 14-27</u> • <u>All about Circuits AAC Chapter 1 Basic concepts of Electricity – Static Electricity</u> • <u>All about Circuits AAC Chapter 1 Basic concepts of Electricity – Conductors, Insulators and Electron flow</u>
2	02/07	Fri	<ul style="list-style-type: none"> - Electricity - Electrical production 	Quiz # 2 Electrical component Project assigned	<ul style="list-style-type: none"> • <u>All about Circuits AAC Chapter 14 – Permanent Magnets</u> • <u>All about Circuits AAC Chapter 15 – Magnetic fields and inductance</u>
3	02/14	Fri	<ul style="list-style-type: none"> - The Electrical Circuit - Voltage, Current and Resistance - Electrical Formulas - Ohm’s Law - Watts and the Power Equation 	Quiz #3 Electrical component project B.B. Submissions due	<ul style="list-style-type: none"> • <u>What are Electrical Circuits – AAC</u> • <u>Ohm’s Law interactive by Wisc Online (Wisconsin University)</u>
4	02/21	Fri	<ul style="list-style-type: none"> - Test # 1 - Review of test #1 	HW Omh’s Law Due	
5	02/28	Fri	<ul style="list-style-type: none"> - Series Circuits - Parallel Circuits - VIRP Tables 	Quiz # 4 Electrical component paper Due	<ul style="list-style-type: none"> • <u>Series Circuits – AAC Video</u> • <u>Parallel Circuits -AAC Video</u>
6	03/06	Fri	<ul style="list-style-type: none"> - AC and DC - Power conversion - Semiconductors and LEDs - Batteries 	Quiz # 5 Read article (Openlab and Blackboard)	<ul style="list-style-type: none"> • <u>LG – Structure of Rechargeable battery</u>
7	03/13	Fri	<ul style="list-style-type: none"> - Over-current protection devices - Grounding - Entertainment Power Distribution overview 		<ul style="list-style-type: none"> • <u>Battery Safety and Protection overview – Texas Instruments</u>
8	03/20	Fri	<ul style="list-style-type: none"> - Test # 2 - Review of test #2 		