###### AENG 120 Tentative Spring 2023 Schedule Ver. I Wright

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| **Week of** | **M/W 10:00am-12:05pm** |
| **1**  **1/16** | **Monday: No Class - Holiday**  Course Introduction  Safety Review |
| **2**  **1/23** | Intro to Energy Lecture  Fossil Fuels Lecture  Renewable Energy Lecture  Renewable Energy Video (50min) |
| **3**  **1/30** | Solar Energy Lecture  Nuclear Energy Lecture  *Lab 1 Solar & Wind (Act 1 & 3)* |
| **4**  **2/6** | Atoms for Peace Video (57min)  *Lab 1 Solar & Wind (Act 2)*  **Wednesday: No Class – Instructor Ill** |
| **5**  **2/13** | Energy Conservation Lecture  Energy Audit Lecture 1 (Hot Water BTU Calculations)  Energy Audit Lecture 2 (Infiltration, conduction, etc.)  *Lab 2 Infiltration & Thermographic Imaging (Act 4 & 5)* |
| **6**  **2/20** | **Monday: Labs 1 & 2 Due (Submit Lab Books)**  Monday: Open Lab  **Wednesday: Exam I** |
| **7**  **2/27** | The Current War Video (103min)  Intro to Electronic/Electrical Power Lecture |
| **8**  **3/6** | No Class – Spring Break |
| **9**  **3/13** | *Lab 3 DC Electronic Circuits*  *Lab 4 Control Logic* |
| **10**  **3/20** | *Lab 5 AC Electrical Circuits* |
| **11**  **3/27** | ***Monday: Residential Energy Audit is Due*** Mechanical Advantage & Efficiency Lecture Intro to Fluidics Lecture  *Lab 6 Mechanical Advantage*  *Lab 7 Fluid Power* |
| **12**  **4/3** | *Lab 6 Mechanical Advantage*  *Lab 7 Fluid Power* |
| **13**  **4/10** | *Lab 6 Mechanical Advantage*  *Lab 7 Fluid Power*  **Wednesday: Lab 3-7 Due (Submit Lab Books by end-of-class)** |
| **14**  **4/17** | Intro to Programming & Robotics Lecture  **Wednesday: No Class – Instructor Ill** |
| **15**  **4/24** | *Lab 8 Mobile Robots* |
| **Finals Week** | **Monday (Regular Class Day – Lab 8 Due)**  **Thursday 5/4 8-10:00am: Exam II** |