**ENGR 450 – Mechatronics**

# Engineering Design Notebook Check Sheet

**Group Letter:\_\_\_\_ Names: 1\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 3\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

# Milestone Report #1 Instructor initials indicating milestone completion:\_\_\_\_\_\_\_

|  |  |  |  |
| --- | --- | --- | --- |
| **Component** | **Requirements** | **Points** | **Awarded** |
| Notebook Created | Hardcover, 3-ring binder, dividers, pockets for spec sheets, etc. **This sheet is included as the first sheet in the design notebook.** | 10 |  |
| Milestone Report | Complete listing of code to achieve milestone. Code is commented and shows author #1. | 10 |  |

# Milestone Report #2 Instructor initials indicating milestone completion:\_\_\_\_\_\_\_

|  |  |  |  |
| --- | --- | --- | --- |
| **Component** | **Requirements** | **Points** | **Awarded** |
| Milestone code | Complete listing of code to achieve milestone. Code is commented and shows author #2. | 5 |  |
| Robot Built | Robot has been constructed and functions | 5 |  |
| Notebook organized | Notebook is need and all material appears under appropriate tabs. Lab exercises included and complete. | 5 |  |
| Milestone report | Describes approach to milestone and results. | 5 |  |

# Milestone Report #3 Instructor initials indicating milestone completion:\_\_\_\_\_\_\_

|  |  |  |  |
| --- | --- | --- | --- |
| **Component** | **Requirements** | **Points** | **Awarded** |
| Notebook updated | Turned in on time, notebook is neat and up-to-date with class notes, data sheets and sketches | 5 |  |
| Milestone code | Complete listing of code to achieve milestone. Code is commented and shows author #1 or #3. | 5 |  |
| Class notes | Well-kept, legible class notes are included in appropriate tab. | 5 |  |
| Milestone report | Provides informative description of design process. Describes approach to milestone and results | 5 |  |

# Milestone Report #4 Instructor initials indicating milestone completion:\_\_\_\_\_\_\_

|  |  |  |  |
| --- | --- | --- | --- |
| **Component** | **Requirements** | **Points** | **Awarded** |
| Milestone code | Complete listing of code to achieve milestone. Code is commented and shows next author. | 5 |  |
| Parts Inventory | Report convincingly shows that robot adheres to material limits | 5 |  |
| Milestone report | Provides informative description of design process. Describes approach to milestone and results. | 5 |  |
| Rendering/photos | Milestone SolidWorks rendering and photo included and these show significant agreement between the “as designed” and “as built” model. Circuit diagram accurate. | 5 |  |

# Milestone Report #5 Instructor initials indicating milestone completion:\_\_\_\_\_\_\_

|  |  |  |  |
| --- | --- | --- | --- |
| **Component** | **Requirements** | **Points** | **Awarded** |
| Milestone code | Complete listing of code to achieve milestone. Code is commented and shows next author. | 5 |  |
| Parts Inventory | Report convincingly shows use of both sheets of acrylic is within limitation. | 5 |  |
| Milestone report | Provides informative description of design process. Describes approach to milestone and results. | 5 |  |
| Rendering/photos | Milestone SolidWorks rendering and photo included and these show significant agreement between the “as designed” and “as built” model. Circuit diagram accurate. | 5 |  |