Design Task:

Design an entertainment center for a contemporary house, subject to the following specifications:

- Is shipped in a box of compact size.
- Is assembled easily.
- Easy to move around.
- Is stable against tipping in normal use.
- Provides minimum compartments for a 50” TV, digital box, amplifier, and center speaker, etc.
- Is aesthetically pleasing to the eyes.

Submit (Note: This is an individual effort, not a team project):

- **One assembly drawing** that may be pictorial or multiview drawings. Pictorial assembly drawing can be exploded or unexploded. Multiview drawings must be in proper alignment. The number of views is the designer’s choice but all components must be accounted for. Provide a bill of materials (BOM), i.e., a part list, and a title block containing information such as assembly name, designer’s name, course, section, and date. Also, in a note, specify the dimensions of the shipping box.

- **Three detail drawings** fully dimensioned. Include the detail number, detail’s name, scales, designer's name, course, section, and date. The details should be of parts made, not purchased (e.g. not a screw or a nail).

- **A clear 3-D solid model** of the design solution.

Evaluation:

The total value is **10%** of the course grade.

The breakdown is:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assembly drawing</td>
<td>65%</td>
</tr>
<tr>
<td>Detail drawings</td>
<td>30%</td>
</tr>
<tr>
<td>3-D solid model</td>
<td>5%</td>
</tr>
</tbody>
</table>

**Total:** 100%