**University of Puerto Rico, Mayagüez Campus**
**Electrical and Computer Engineering Department**
**ICOM 5047 - Computer Engineering Design** Date _____
**Spring 2013**

# ORAL TEST "HAPPY HOUR" EVALUATION

Student's Name: _____
Project Title: _____
Area in the project where the student spent most of the time: _____

Design

- Documentation (30)
    - o No documentation supporting the design (-30)
    - o Documentation is not appropriate (not completed) (-25)
    - o There is documentation but it is flawed. Badly designed. (-20)
    - o Student presents documentation but not in a professional manner (-15)
        -  Flowcharts, class diagrams, and any other software or firmware diagrams, as well as hardware schematics must be done using a CAD program. Hand drawn diagrams are not accepted. Must follow standards and conventions.
    - o If the student is designing software,
        -  he/she did not present the use case diagrams (if applicable) (-15)
        -  he/she did not present the class diagrams (if applicable) (-15)
        -  he/she did not present the sequence diagram (if applicable) (-15)
        -  he/she did not define the interfaces (if applicable) (-15)  he/she did not show the flowchart (if applicable) (-15)  the use case diagrams are inadequate(if applicable) (-10)
        -  the class diagrams are inadequate(if applicable) (-10)
        -  the interaction diagrams are inadequate(if applicable) (-10)
        -  the interfaces are inadequate(if applicable) (-10)  the flowchart are inadequate (if applicable) (-10)
        -  the ER diagram is missing (if applicable) (-15)
        -  the ER diagram is not correct (if applicable) (-10)
    - o If the student is designing firmware, he/she did not show the flowchart (-15)
    - o If the student is designing firmware, the flowchart is inadequate (-15)
    - o If the student is designing hardware,
        -  he/she did not present global detailed hardware schematics (-15)
        -  he/she did not present detailed module hardware schematics (-15)
        -  he/she presented inadequate global detailed hardware schematic (-10)
        -  he/she presented inadequate detailed module hardware schematics (-10)
- Specifications (30)
    - o Student's part does not comply with original proposal or with corresponding approved change forms. (-30)
    - o Student's design does not follow proposed standards. (-20) o Student's design does not follow required standards. (-20)
    - o Student's has not started assembling Hardware without reasonable justification. (-20)
    - o Student's has not started coding Software without reasonable justification. (-20)
    - o The student has not evaluated different alternatives (-15)

- Understanding (25)
  - The student does not demonstrate understanding of his/her design (-25)
  - The student does not demonstrate understanding of how his/her design integrates with the whole system (-20)
  - The student does not demonstrate understanding of the scope of the project (-15)
  - The student cannot answer questions demonstrating proficiency in his/her part (-15)
  - The student does not show knowledge required for his/her part of the design (-15)
  - The student does not describe the problems associated with the design and how he/she solved them (-10)
  - The student does not know the power consumption (-10)

- Proactivity (15)
  - The student does not know the price or suppliers of his/her part (-15)
  - The students has not ordered the parts (if justified, ok) (-10)
  - The student has not kept the schedule according to the Gantt chart and there is no valid justification of why (-10)
  - If project manager, he/she has not followed the status of or maintained communication with the group or updated Gantt chart (-10)Comments:

Contribution (Factor_____)
    ___Enough contribution (Multiply the total number of points by 1)
    ___Some contribution (Multiply the total number of points by 0.7)
    ___Not enough contribution (Multiply the total amount of points by 0.5)
    ___Not contribution (Multiply the total of points by 0.0)

H/H
Grade