

Brown Bag Competition Rules

Tobias Sun¹ (Chair)

Competition Description

In the Brown Bag competition, each team consisting of 1-4 members will be given a bag of various components and then will be required to complete a challenge with some or all of the components. Each team will use only the components and documentation provided to complete the challenge. They may not use additional notes, references or aids, but must rely on their knowledge and ingenuity.

Corresponding emails:

¹tys14@pitt.edu

Contents

1 Eligibility	1
1.1 IEEE Membership	1
1.2 Team Size	1
1.3 Number of Teams	1
1.4 Graduate Students	1
2 Materials	1
2.1 Required Materials	1
2.2 Provided Materials	1
2.3 Disallowed Materials	1
3 Safety and Training	2
3.1 Lab Safety Training	2
3.2 Unsafe Behavior	2

1. Eligibility

1.1 IEEE Membership

All competitors must be an IEEE student member with the University they are representing.

1.2 Team Size

Each team shall consist of 1-4 students.

1.3 Number of Teams

Each school can bring no more than 2 teams.

1.4 Graduate Students

Each team can have at most 1 graduate student on their team.

2. Materials

2.1 Required Materials

Team members are expected to provide the following tools to the competition:

- Breadboard (more than one is allowed)

- Wire for Breadboards
- Cables for connecting to standard electrical test equipment (see below)
- Hand tools such as wire cutters, wire strippers, pliers, IC extractor, screwdrivers, etc.
- Paper for taking notes, schematics, calculations, etc.
- Calculators (see below)

2.1.1 Cables for Test Equipment

You are encouraged to bring your own cables for connecting to electrical test equipment, such as banana, BNC, and alligator clip cables, as well as adapters to convert one to the other. We can provide these if necessary but will not have enough for each participating team to use. These will be given out on a first-come, first-served basis. Please bring a form of photo-identification to the competition if you plan on borrowing equipment.

2.1.2 Calculators

The judge of the competition can disallow the use of a calculator at their discretion on the basis that the calculator can store information such as references, connect to the internet, or can run software that violates the spirit of the rules.

2.2 Provided Materials

All other materials not listed above will be provided at the competition.

2.3 Disallowed Materials

Competitors can not bring with them printed datasheets, textbooks, tablets, laptops, or other pieces of equipment which can access the internet or store information.

2.3.1 Judge's Discretion

The Judge can at any point ask to examine tools being used to ensure the following rules are maintained. If a violation of these rules are found, it is up to the judge to determine how the infraction will impact the final score.

3. Safety and Training

3.1 Lab Safety Training

Per University regulations, all competitors which will be utilizing University of Pittsburgh equipment shall have completed the mandatory “Lab Safety Training” prior to the start of the competition.

3.2 Unsafe Behavior

Any activity which is found to be in violation with the guidelines and rules laid out by the University of Pittsburgh Lab Safety Training is grounds for immediate disqualification from the competition and removal from the competition area.