



STUDENT CASTING CONTEST

This year our casting contest pattern will be a condiment cup. One cup per mold. All castings are to be cast in aluminum and must follow the guideline dates and rules as outlined below:

A. Entries must be submitted by April 23, 2009.

Submit entries to:

Victor Okhuysen/ATTN: casting contest
3801 W. Temple Ave. Bldg 17-2635
Industrial And Manuf. Eng. Dep.
Cal Poly Pomona
Pomona, CA 91768

Award Dinner*: May Meeting
Social hour: 4:30PM, Dinner: 5:00PM
Date: May 14, 2009
Location: Rio Hondo Country Club
10627 Old River School Road
Downey, CA 90241

* All student casting contestants are invited to attend with their instructors for this great event, free of charge.

B. Casting Contest Rules:

1. Pattern: The pattern will be a condiment cup to be supplied. Minor modifications to the part are allowed but not mandatory. Each student must use one pattern, and they must come up with their own gating system.
2. It is allowable to use a follow block or bedding sand to create the mold, please describe in essay.
3. Molds and castings are to be made by the students.
4. Castings are to be made in aluminum.
5. Gating and risering should be developed by the students independently (instructors may assist, but it is expected that the gating systems will be different for students). The judging criteria is specified below. Innovative gating designs are encouraged, though typical gating systems are also allowed. Any number of texts will provide with guidelines and examples.
6. Gates, risers, etc. are to be left on the casting. Do not remove!
7. Parts are to be submitted "as cast." Remove loose sand with a soft brush. No mechanical or hand finishing. Please identify parts via tags. Do not write name or school on the casting itself.
8. Please use green or petro bond sand for all molds. Other methods (chemically bonded sand, etc.) are allowed but must be specified on the entry.
9. Each student is limited to one entry, though multiple attempts are acceptable. > No limit on the number of students per school.
10. Castings will be judged for:

a. Gating and risering techniques, including innovative ones	20%
b. Ease of gate removal	20%
c. Cleanliness of part, absence of sand inclusions, soundness, etc.	20%
d. Casting yield. How much metal it takes to make the part.	20%
e. A short essay submitted with the part explaining the design of the gating system, pattern modifications, and conclusions reached while casting the part.	20%

For more information and/or assistance, contact:

Victor Okhuysen
Cal Poly Pomona
Tel: 909/869-2698

Bill Gardner
Home: (626) 285 5042
billatutila@yahoo.com

vfokhuysen@csupomona.edu

Please use "AFS contest" as the subject in your email

For additional patterns contact Bill Gardner directly

Awards: In the past the following awards have been given, and while judges will use them as a guideline, they may modify the award amounts as circumstances dictate.

1st Overall	\$250.00
2nd Overall	\$200.00
3rd Overall	\$150.00
4th Overall	\$125.00

Best in YOUR school \$100.00 (excluding four top prize winners)

Every school will win for their best entry. No limit on the number of students per school.

If you plan on participating and need patterns please contact

Martin Koch mkoch@calpoly.edu