

# BMM3643 Manufacturing Processes

## Metal Casting Processes (Expendable Mold & Permanent Mold)

## Individual Assignment 2

by

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# Individual Assignment 2 - Expandable Mold & Permanent Mold

- Aims
  - Able to explain and solved problem in expandable mold & permanent mold process
- Expected Outcomes
  - Understand the various types of expandable mold processes
  - Understand the process consists in permanent mold casting



# Individual Assignment 2

1. What differences would you expect in the properties of castings made by permanent mold compared to sand casting process?
2. Outline the casting processes that would be most suitable for making small toys. Material used to make small toys is nonferrous metal. Explain your choices.
3. Describe in details the difference between hot chamber die casting and cold chamber die casting. You may use schematic diagram to help you explain these processes.



# Individual Assignment 2 Format

Please remember to **include the questions** given in the assignments. **Cover page** of the assignment should include:

1. Your Name & No. Matric
2. Section
3. Lecturer's Name
4. Submission date

**ZERO MARKS for PLAGIARISM & COPY/PASTE from internet !!!**

Late submission also will be penalized.

