



YILDIZ TECHNICAL UNIVERSITY
FACULTY OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

MANUFACTURING PROCESSES I

STUDENT NAME SURNAME:

STUDENT ID:

COURSE GROUP:

LECTURER :

HOMEWORK TEMPLATE

-The “**Table**” below, should appear on the first page of your homework, just after the “**Cover**”.

- After the “**Table**”, complete your homework according to the “**Content of the Homework**”, given below.

-You must have maximum of 10 pages in your homework and prepare your homework using Arial 11 puntos.

- The company should manufacture parts from materials based on metal. It should not be plastics, ceramics, composite etc.

TABLE

Student Name-Surname:	
Student number:	
Group:	
Name of the company investigated:	
Company web page:	
Company profile and product types:	
Manufacturing methods used:	
Define the <u>product name</u> and its <u>material</u> that you select from the company product list for your homework:	

CONTENT OF THE HOMEWORK

- 1- Definition and history of the company
- 2- Sample pictures / photos from company product (parts) profile
- 3- *Select one product among the product profile of the company. Then, follow the instructions given below for this product:*

- a- Define the part and explain the application/usage area of the part.
- b- Research and explain the manufacturing method(s) of the part by using literature (books, articles, etc.). Additionally, you may also get information from the company, if possible.
- c- Determination of the technological plan of the part (calculation will not be done, only the work order will be given). Define critical process parameters such as speed, temperature.
- d- Investigation and identification of workpiece material and tool /die materials.
- e- Give technical pictures or photographs containing the dimensions of the part.
- g- Give references (literature) on the last page that you use in your literature research.
- f- If possible, you can visit the company (it is not compulsory but contributes to your score)

HOMEWORK DELIVERY DATE:

13th week to the responsible Research Assistant up to 4 PM.

LATE DELIVERIES WILL NOT BE ACCEPTED.

COPY HOMEWORKS- CHEATING WILL BE EVALUATED AS ZERO.