



# Capsules

## Hard gelatin capsules

5<sup>th</sup> year students/ 1<sup>st</sup> semester

# Introduction P.374



Definition of Hard gelatin capsules
Advantages and Disadvantages of HGC
Materials used for production of HGC

Definition of Hard gelatin capsules

Advantages and Disadvantages of HGC

Materials used for production of HGC

# Methods of production of HGC P.375-376

Dipping

Spinning

Drying

Stripping

Trimming

Joining



Moisture content  
in capsules  
P.376-377



Filling equipments of HGC  
P.377-384

- Eli-lily Co.
- Farmatic
- Hofliger and Karg
- Zanasi
- Park-Davis

# Filling Operations

P.386

Empty  
Capsules  
P.386

Formulations  
P.389-392

- Major Considerations for capsule formulation
- Determination of amount of diluents

# Finishing (dusting and Polishing)

**Pan polishing**  
**P.393**

**Cloth dusting**  
**P.393**

**Brushing**  
**P.394**

**Storage**  
**P.394**

# Special Techniques

P.395-396

Imprinting

Special purpose capsules



**Thank  
You  
For  
Listening!**