

# MICROENCAPSULATION

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

# MICROENCAPSULATION P.412-413



**Definition of  
microencapsulation**

**Meanings of  
Microencapsulation**

**Applications of  
microencapsulation**

# FUNDAMENTAL CONSIDERATIONS P.414

**Core material  
P.414**

**Coating materials  
P.415**

- Properties
- Classification

**Selected stability,  
release and other  
properties  
P.416-417**

# METHODOLOGY P.419




Air suspension P.419



Coascervation /Phase separation P.420-424

(Temp. change, Incomptible polymer addition, Nonsolent addition, Salt addition  
Polymer-polymer interaction)



<b>Multiorifice centrifugation</b>	<b>P.425</b>
<b>Pan coating</b>	<b>p.426</b>
<b>Spray drying and congealing</b>	<b>p.426</b>
<b>Solvent evaporation</b>	<b>P.427</b>
<b>Interfacial polymerization</b>	<b>P.427</b>



**Thank You  
For Listening  
Any  
Questions?**