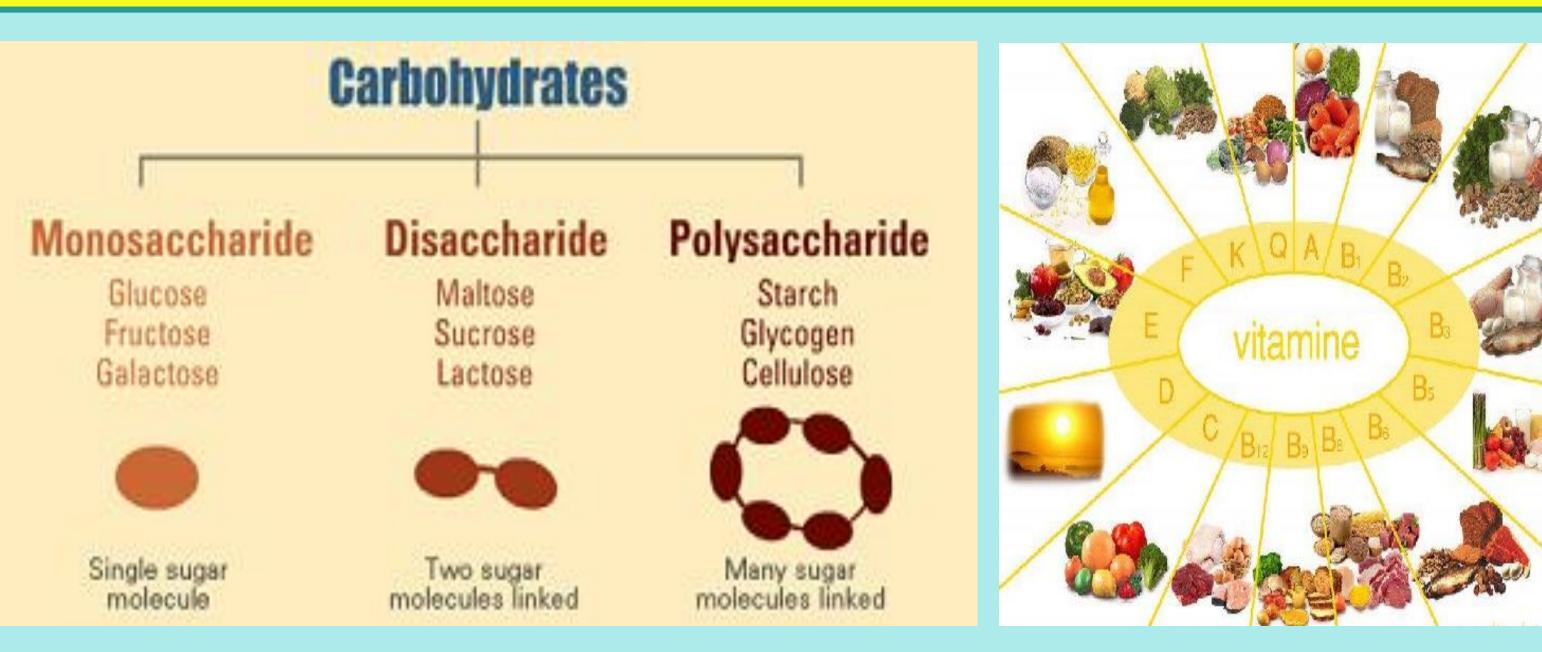


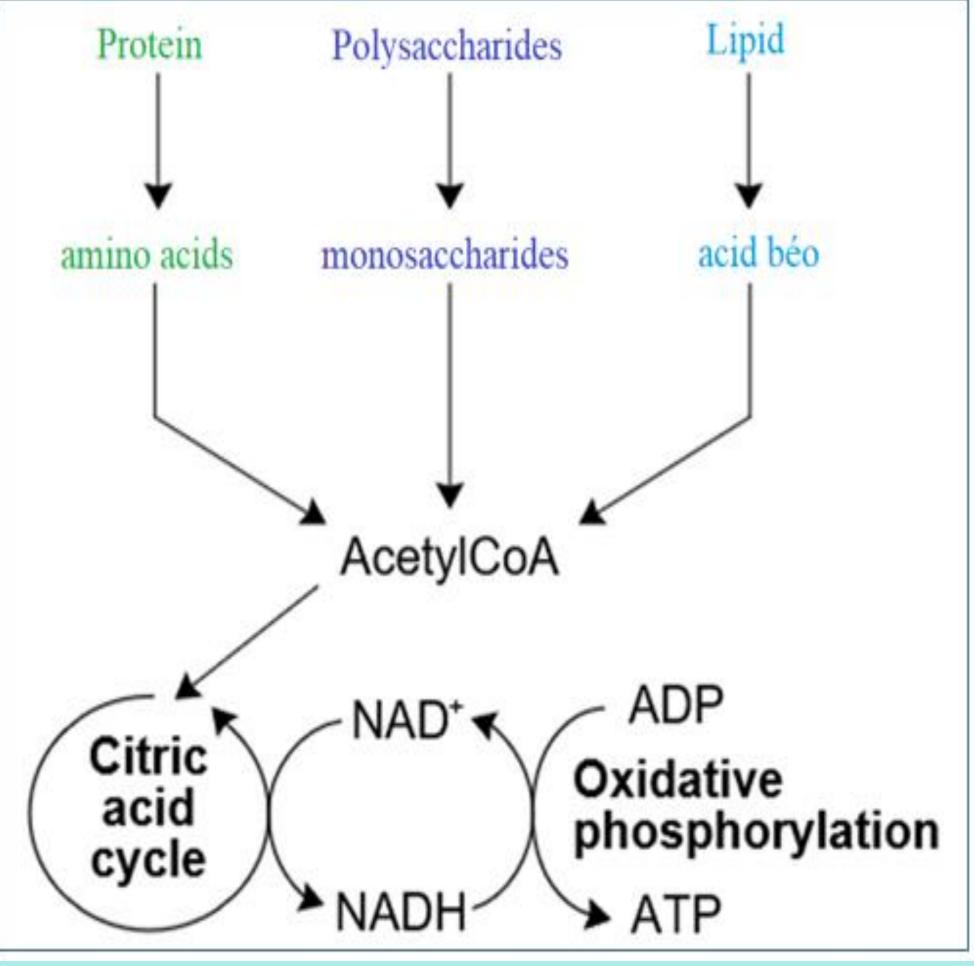
BIOCHEMICAL

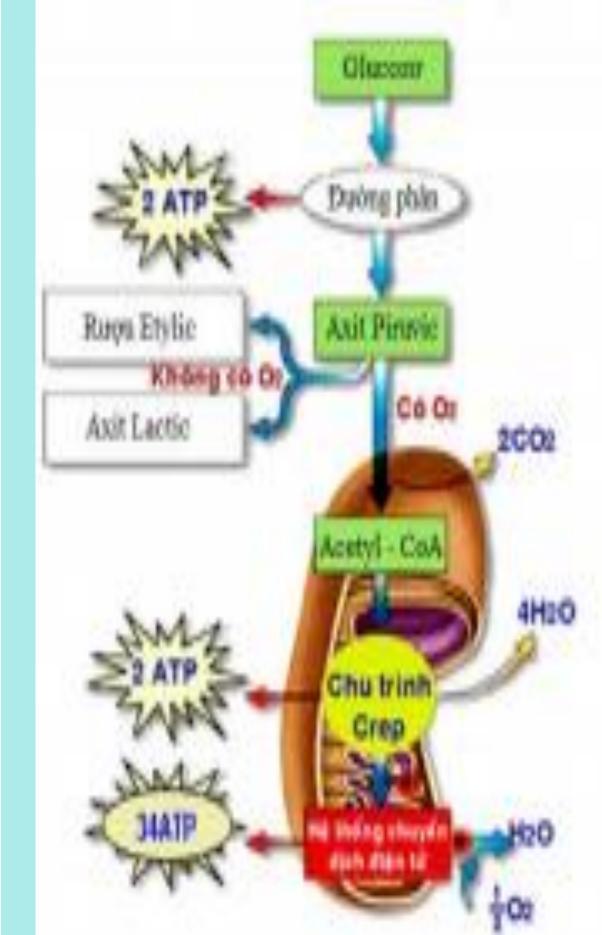




PROGRAMME LEARNING OUTCOMES (PLOs)

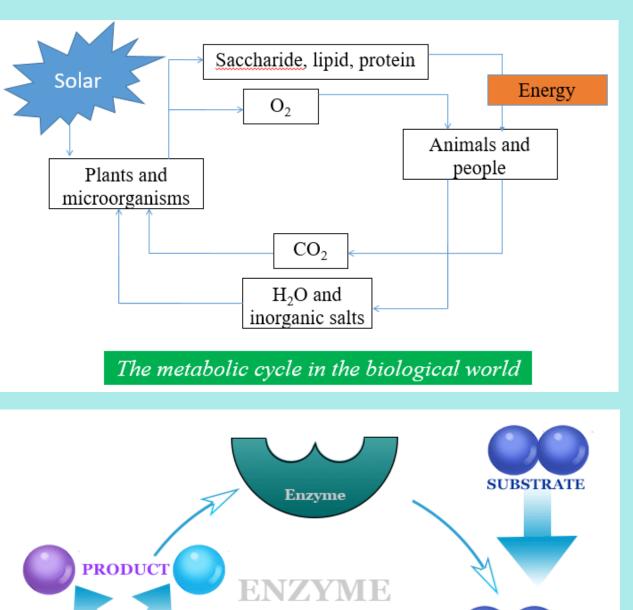
TRUGRAMME LEARING OUTCOMES (FLOS)			
KNOWLEDGE			
PLO 1	Apply natural, social, technical and economic knowledge to solve problems in preservation, processing, testing, and research and development of food products.		
PLO 2	Formulate production procedures based on the analysis of technic factors to ensure and enhance product quality.		
PLO 3	Design quality management systems for processing plants to ensure food hygiene and safety.		
SKILL			
PLO 4	Perform work planning, demonstrate creatively critical thinking, work independently and effectively as a team leader or member.		
PLO 5	Demonstrate communication skills and use specialized English in food technology.		
PLO 6	Operate production equipment in food manufacture factories.		
PLO 7	Analyse product quality criteria in food preservation and processing procedures.		
PLO 8	Design research to address technological and regulatory problems in the		
ATTITUDE			
PLO 9	Work professionally, maintain professional ethics, social responsibility, and demonstrate personal physical development.		
PLO 10	Demonstrate the spirit of entrepreneurship and life-long learning.		

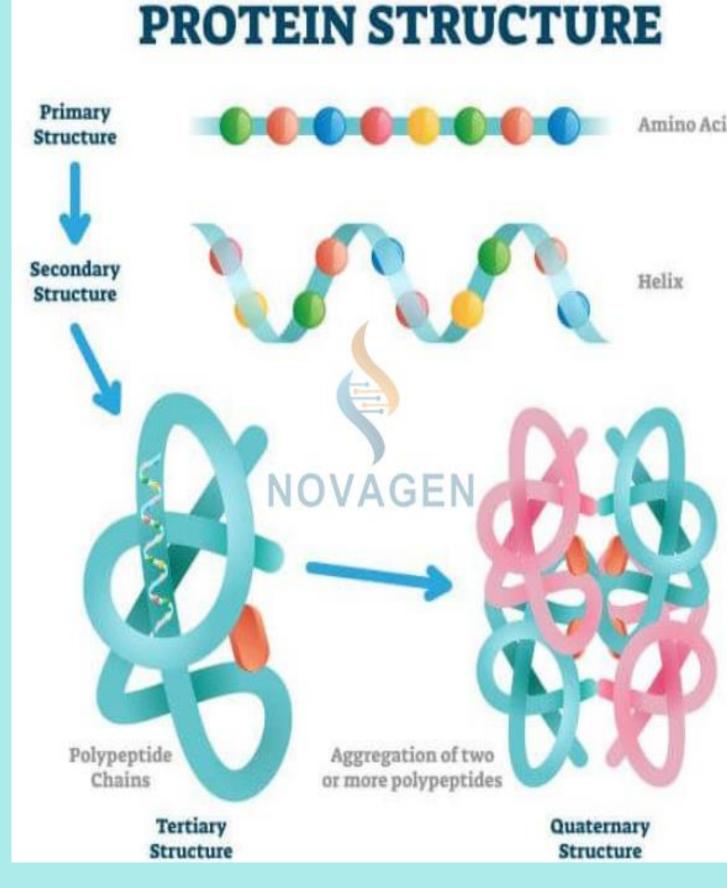




COURSE CONTENT

- ✓ Lesson 1: Introduction to biochemistry
- ✓ Lesson 2: Glucid
- ✓ Lesson 3: Protein
- ✓ Lesson 4: Lipids
- ✓ Lesson 5: Enzymes
- ✓ Lesson 6: Vitamins
- ✓ Lesson 7 : Metabolism





EXPECTED LEARNING OUTCOMES OF COURSE (CELOs)			
Symbol	Expected learning outcomes of the course	PLOs of program	
KNOWLEDGE			
CELO1	Apply natural scientific knowledge (carbohydrates, lipids, amino acids, proteins, enzymes and vitamins) to explain problems related to the field of food technology.	PLO 1	
CELO2	Identify methods of food quality analysis to ensure food safety.	PLO 2	
SKILL			
CELO3	Analyse physicochemical criteria in food technology.	PLO 7	
CELO4	Apply information technology to process analytical results, work in groups, report in groups, use foreign languages to read professional documents in the field of biochemistry.	PLO 4, 5	
CELO5	Operate equipment and machinery in analysis qualitative and quantitative analysis.	PLO 6	
ATTITUDE			
CELO6	Comply with laboratory safety rules, work professionally, socially responsible	PLO 9	
CELO7	Demonstrate the spirit of entrepreneurship and life- long learning.	PLO 10	

LEARNING METHODS AND TASKS

- Students read the lesson first at home
- Listen to lectures, discuss, report seminars
- Practice in the lab





ASSESS AND GIVE US POINTS

- ✓ Score scale: 10
- ✓ Diligently, attend class
- ✓ Evaluation of the process: 50 %
- ✓ Final evaluation: 50%

LECTURES IN CHARGE OF COURSE