Study programme: BAS Tourism

Course title: Applied Mathematics for Tourism-Hospitality managers

Lecturer (Name, Middle name, Surname): Dr Aleksandar Pavlović

Status: obligatory

ECTS: 6

Requirements: none

Learning objectives

Introducing basic mathematical methods useful in tourism-hospitality management.

Learning outcomes

Students should be familiar with application of mathematical methods in supplying, warehousing, and preparation of food and drinks, in calculation of the price of products and services, in analysis and calculation of costs, in calculation of labor costs and all other costs. Also they should be familiar in using calculators and computers, as auxiliary tools, in these actions.

Syllabus

Theory: Introduction into basics of mathematics: quotient, proportion, percentages, profit sharing and mixing calculus. Measure and measure units in hospitality business. Foreign currency exchange rates. Conversion of measure units in recipes. Calculation of food, drink and service prices. Menu preparation. Warehousing, supplying, management, listing and calculation of stocks. Calculation of hotel-service prices. Calculation of tourist-tours and holiday prices. Calculation of labor cost and control techniques. Using calculator and computer.

Practical: Mastering techniques learned through theoretical classes through in-praxis examples. *Seminar paper:* Complete preparation of menu, labor cost, stock management, calculation of accommodation price,... in a tourism-hospitality management.

Literature

1.Terri Jones, *Math for the Professional Kitchen*, John Wiley Sons, Inc., New Jersey, 2004. 2. *Matematika za ugostiteljske profesionalce*, скрипта за курс

Weekly teaching load			4 (60)	Other:
Lectures:	Exercises:	Other forms of	Student research:	0
		teaching:	0	
		0		

Methods of Teaching

Lectures Illustration and Demonstration

Practical skills

Knowledge score (maximum 100 points)					
Pre-examination	points	Final examination	points		
assignements					
Colloquia	30-60	Written examination			
Seminar paper	0-30	Oral examination	40		
Student can choose between two colloquia and one colloquium together with seminar paper					