Basic data of the course:		
University/Faculty:	University of Applied Sciences in Ferizaj/ Faculty of	
	Engineering and Informatics	
Academic unit:	Faculty of Engineering and Informatics	
Course title:	Measurement and control	
Level:	Bachelor	
Course status:	Elective	
Year of studies:	II	
Number of hours per week:	2+2	
Value in credit – ECTS:	6	
Time / location:	9.00 – 12.15 / Amphitheater	
Course teacher:	Mr. sc. Ismet Malsiu	
Contact details:	Laboratory no.2, tel. 044 225	
	208, ismetmalsiu_@hotmail.com,	
	ismet.malsiu@uni-pr.edu	
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Course description:		
	Introduction. Measurement and control accuracy of	
	measurement; Accuracy of measurements and sources of	
	errors; General knowledge and sharing of metrology;	
	Measuring instruments and measuring methods;	
	Separation of measuring methods and measuring instruments; Metrological characteristics of	
	instruments; The way of reading value in measuring	
	instruments; Converters; Measuring equipment;	
	Measuring systems; Errors and causes of measurement	
	errors; Measurement errors and correction of	
	measurement results; Processing of measurement	
	results; Meters and measuring instruments for	
	measuring length; Breakdown of length gauges by	
	constructive characteristics and use; Measuring	
	machines; Fillet measurement and control;	
	Measurement and control of dental parameters;	
	Methods for measuring and controlling the shape and	
	position of the details of the work surfaces;	
	Measurement and control of surface roughness and flatness; Methods of Measuring and Checking	
	flatness; Methods of Measuring and Checking Roughness and Flattening of Surfaces; Characteristics	
	and controls of the geometric parameters of the	
	measuring coordinate machines; Angle and slope	
	measurement; Trigonometric methods of angle	
	measurement; Levelers (Booklets); Angle measurement	
	with collimator spectrometer	
Aim of the course:		

SYLLABUS

collimator spectrometa characteristics and parameters of measuri etc.
Student contribution (which should correspond to the
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lectures, semi	nars, discussions,	group work
	•	15 %
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•	lance:	5 %
<u>Final exam:</u>		45 %
Total:		100 %
Dr. Avdyl Bunjaku: "TEKNIKAT MATËSE", ligjërata të autorizuara, Prishtinë, 2004		
 Proizvodno – tehničko obrazovanje "MERENJE I KONTROLA U MAŠINSTVU" priručnjk za organizovanu nastavu u samostalno učenje Mr. sc. Sreqko Nikoliq "KONTROOLLI TEKNIK I PRODHIMIT" Dr. K. Koljozov: MERENJE I KONTROLA, Skopje, 1980. Dr. J. Stankov: MERENJE U PROIZVODNJI, Novi Sad, 1984. T. Pfeifer: PRODUCTION METROLOGY, Oldenbourg, 2002. 		
	First evaluation Second evaluat Homework or Regular attend Final exam: Total: Dr. Ave MATË Prishti 1. Proizva "MERI MAŠIN priručr samost 2. Mr. sc. "KON 3. Dr. K. H Skopje, 4. Dr. J. S PROIZ 5. T. Pfeij	Total: Dr. Avdyl Bunjaku: "TEK MATËSE", ligjërata të at Prishtinë, 2004 1. Proizvodno – tehničko ob "MERENJE I KONTROL MAŠINSTVU" priručnjk za organizovan samostalno učenje 2. Mr. sc. Sreqko Nikoliq "KONTROOLLI TEKNIK 3. Dr. K. Koljozov: MEREN, Skopje, 1980. 4. Dr. J. Stankov: MERENJ, PROIZVODNJI, Novi Sad 5. T. Pfeifer: PRODUCTIO.

Designed lesson plan:		
Week	The lecture to be held	
Week one:	Introduction. Measurement and control accuracy of	
	measurement; Accuracy of measurements and sources of	
	errors;	
Week two:	General knowledge and sharing of metrology; Measuring	
	instruments and measuring methods; Separation of	
	measuring methods and measuring instruments;	
Week three:	Metrological characteristics of instruments;	
Week four:	Converters; Measuring equipment; Measuring systems;	
Week five:	Errors and causes of measurement errors; Measurement	
	errors and correction of measurement results; Processing of	
	measurement results;	
Week six:	Processing of measurement results;	
Week seven:	Meters and measuring instruments for measuring length;	
Week eight:	Types of measuring instruments for measuring lengths and	
	methods of measuring with measuring instruments;	
Week nine:	Separation of length meters under construction	
	characteristics and use;	
Week ten:	Measuring machines; Fillet measurement and control;	
Week eleven:	Measurement and control of dental parameters; Methods for	
	measuring and controlling the shape and position of the	
	details of the work surfaces;	
Week twelve:	Measurement and control of dental parameters; Methods for	
	measuring and controlling the shape and position of the	
	details of the work surfaces;	
Week thirteen:	Measurement and control of surface roughness and flatness;	
	Methods for measuring and controlling surface roughness	
	and flattening	
Week fourteen:	Measuring angles and slope; trigonometric methods of angle	
	measurement; Levelers (Booklets); Angle measurement with	
	collimator spectrometer;	
Week fifteen:	Characteristics and controls of the geometric parameters of	
	the measuring coordinate machines;	

Academic policies and rules of conduct

Assign comfort USHAF status of the conduct policy.

The teacher sets the criteria for regular attendance at lectures and exercises and rules of conduct such as: keeping calm in class, switching off cell phones, entering the room on time, etc.