

# Technology of Manufacture of Jewelry

## Syllabus

#	Module	Hours			Type of training	Credits	Teaching language	Notes
		total	contact	independent study				
1	Technology of Manufacture of Jewelry	72	36	36	Practical training	2	Russian*	

\* Modules taught in Russian can be provided by English interpretation.

**Instructor:** Georgy Potapov, Senior Lecturer of the Department of Gems and Precious Metals Processing Technology of North-Eastern Federal University

**Location:** Jewelry Lapidary Laboratory of NEFU, Stroiteley Str. 8A, Room 119

**Course objectives:** study of objects of professional activity of students, namely technological processes and devices for the production and processing of jewelry made of metals and alloys.

### Course outline:

	Topic	Content	Hours
1	Basics of preparation operations	Metal smelting. Types of mechanical metal changes	2
2	Manufacturing of simple jewelry	Manufacturing of a ring	2
		Manufacturing of an openwork pendant	4
		Manufacturing of earrings	6
3	Manufacturing of complex shapes jewelry	Manufacturing of a ring with inserts of the faden frame	6
		Manufacturing of a ring with the keyhole lock	8
		Manufacturing of a jewelry according individual design	8

### Assessment (оценивание)

95 – 100 points – A  
 85 – 94 points – B  
 75 – 84 points – C  
 65 – 74 points – D  
 55 – 64 points – E  
 45 – 54 points – FX  
 Less than 44 points – F

### Readings samples:

1. Brepohl, Erhard. (2001) The theory and practice of goldsmithing. Brynmorgen Press, Portland, ME.
2. Lewton-Brain, Charles. (2007) The jeweler's bench book. MJSA/AJM Press, Providence, RI.
3. Loosli, Fritz, Herbert Merz and Alexander Schaffner. (1982) Practical jewelry making. Berne, UBOS/SCRIPTAR, Switzerland.