[A-3]COURSE SYLLABUS

1. Course Description (Approximately 100 words)

2018 in our country is declared «As year of support of business, innovative ideas and technologies». As it is known innovative ideas and technologies are inconceivable without scientifically creative researches. For what the subject “Basis of scientifically- creative researches” should provide preparation of competent creative shots and growth of scientifically- technical progress.
In this connection the technique on an example of this subject “Parallel conducting educational and scientific courses to students on employment” which is devoted training to the alphabet of scientific researches and a technique of a writing of the first scientific articles is developed. For what in the subject beginning the basic actual problems of a speciality are distributed to students in the form of the educational problems which decisions demand carrying out of scientifically- creative researches. Upon termination of a subject all students turn in authors of scientific articles and innovative reports.

2. Course Goals and Objectives (Approximately 100 words)

Each teacher in our institute has what that experience in scientific researches and the more so in a writing of scientific articles. However many of them on employment conduct subjects to students only on teaching materials. Therefore, many students do not understand that such scientific work, only some, especially presented students get acquainted with scientific activity independently. They are not in school hours clamber in scientific materials, as though digging a well a needle.
The purpose of a subject- acquaintance by kinds of scientifically creative researches, maintenance of a birth of interest to scientific work and training to a writing of the first scientific article at students.
The object in view is reached by a technique of parallel teaching of educational and scientific materials to students on employment on an example of decisions of actual problems of branch, a speciality or a subject. Thus each student independently chooses a theme for the

3. Textbook (Title, Author, Publisher, Year of Publication, etc.)

1. Перегудов Л.В. ва б. Илмий ижод методологияси. Тошкент: Молия 2002 й.- 124 б.
2. Закин Я.Х., Рашидов Н.Р. Основы научного исследования. Тошкент: Ўқитувчи, 1981 й.
3. Альтшуллер Г.С., Алгоритм изобретения, М., "Московский рабочий", 1973 г.
4. Мигуренко Р. А. Научно-исследовательская работа. Учебно-методическое пособие.– Томск: Изд-во ТПУ, 2006. – 184 с.
5. Францифоров Ю. В., Павлов Е. П. От реферата к курсовой, от диплома к диссертации: практическое руководство по подготовке, изложению и защите научных работ. – М. : Книга-сервис, 2004. – 128 с.
6. Перспективные изобретения и полезные модели Республики Узбекистан. Ташкент:

4. Reference

1. «Тафаккур» журнали.//Тошкент, 1994-2017 й.й.
2. Научный вестник «Машиностроение».//Андижан: АндМИ, 2016-2018 г.г.
3. Изобретатель и рационализатор. //Москва, 1988-2017 гг.
4. Юный техник.// Москва, 1988-2017 гг.
5. www.texnik-ijod.uz.

5. Course Requirements and Grades

Trainee during employment should understand more and more about value of scientific activity, terminology, classification, stages of performance and ways of publication of results of scientific work- outs.
By the course end each trainee should master technics of joint studying of educational and scientific works, reconducting teaching materials in scientific workings out, and also to possess a technique of drawing up of the scientific report on the collected materials from educational and scientific sources (including from the Internet) on the set theme of independent work.
The estimation of knowledge of students will be carried out according to the rating system established in the country, i.e. during a course. Current estimations (2 twice) will be put down by results of a practical training which maximum sum makes 35 points. Intermediate

6. Course Calendar

Week	Main Content
1	Introduction. Distinction between educational and scientific works. A choice
2	Methods of work with the scientific literature. Patent researches.
3	The Choice of analogues and a prototype of object of researches. Installatio
4	Types, kinds of educational and scientific researches: theoretical, empirical a
5	Drawing up and registration of the thematic abstract on a theme of independ
6	The Term paper as educational research work: composite construction and
7	The Degree project as scientifically- research work: structure, the maintenan
8	Scientifically- technical report as the final stage of research work.
9	Forms and structure of scientific products. Requirements to registration.
10	Preparation of theses of the report for conferences. Performance with the re
11	Preparation of scientific article for domestic editions.
12	Foreign scientific articles, requirements to them. A technique of reception of
13	Preparation of the scientific article for foreign conferences and editions.
14	The Organization and carrying out of competition of innovative ideas and tec