



## دوره های کوتاه مدت حرفه ای

*Short Term Professional Course*

## Form Number 3

فرم درخواست تاسیس و برگزاری دوره کوتاه مدت حرفه‌ای

*Application form of short term professional course*

عنوان دوره: **Course title:**

### **Translational Research: Benchside, Bedside, and Community**

مرکز ارائه دهنده دوره: **Course Provider:**

Department of Psychiatric Nursing & Management, School of Nursing and Midwifery, Tehran, Iran jointly to SBMU department of epidemiology and public health.

اهداف دوره: **Course goals:**

1. To provide a course that focuses on the practical aspects of conducting clinical and translational research.
2. To provide an internal framework for junior faculty and graduate students enrolled in a training program at SBMU which will assist them in pursuing a career in clinical research.
3. To provide trainees with an introduction to protocol development, trial design, regulatory affairs, and the mechanics underlying the Translational process and so forth.
4. To promote overcoming to challenges of the clinical and translational research.
5. To facilitate performance of clinical and translational research by highlighting institutional resources.

ماموریت دوره: **Course mission**

Expanding knowledge and skills of clinical and translational research at the local and institution level.

مهارت: **Skills** •

- Learning integration techniques of basic-research, patient-oriented research, and population-based research
- Designing a translational research with the public health outcome
- Empowered ability to identify the challenges and pitfalls of a translational research.

• آگاهی: Knowledge

- Knowing “Benchside research: Understanding the basic and pre-clinical research”.
- Extending knowledge about Bedside research: clinical research”.
- Understanding “Population-based research: Research for the public good”.

ضرورت و کاربرد دوره: Necessity and course application

Translational research is part of a unidirectional continuum in which research findings are moved from the researcher’s bench to the patient’s bedside and community. The Course fosters the multidirectional integration of basic research, patient-oriented research, and population-based research, with the long-term aim of improving the health of the public. Using real-life examples from the field we will help aspiring translational scientists to develop complementary and leadership skills needed to successfully navigate the complex field of translational medicine. And also, it offers an opportunity to reflect on the current state of translation studies, as “translation must be understood from a more flexible, heterogeneous and less static perspective, one that encompasses a broad set of empirical realities and acknowledges the ever-changing nature of practice.” (Cintas & Remeal 2007, 10)

Also, A Short Course in SBMU isn’t just about your studies – it’s about being inspired, challenged and growing as a person. A short course in Tehran means you’ll enjoy the city. You will be surrounded by a wealth of opportunity, the chance to absorb new influences, meet like-minded people from around the world and immerse yourself in the beautiful nature of the city and its natural scenes.

نوع دوره : course kind

- **Hands-on (limited/unlimited) \*; Limited hands-on as workshop rehearsal**
- **Observer; participatory observations during group activities**

در صورت وجود دوره های مشابه در ایران و جهان اطلاعات آن را ارائه نمایید:

**Provide information in case of similar courses in Iran and the world**

Although there is no similar course in Iran, but there are several workshops and courses around the world in which focus on translational research. One of the best ones is “Summer Short Course: Introduction to Clinical and Translational Research at UMB”. This fully virtual course is the 19<sup>th</sup> times that it is holding in University of Maryland at 2020. It can be found more information about the Maryland medical school course at: <https://www.medschool.umaryland.edu/k30/summer-short-course-introduction-to-clinical-and-translational-research-at-umb/>.

**Course Length:** طول دوره آموزشی:

The short course will be 1 weeks' period with one following week for supervising the course activities.

شرایط داوطلبین شرکت در دوره:

### Requirements of participants

This course is open to all faculty, fellows, residents, students and staff with an interest in clinical and translational research. This course is designed for new researchers, or those looking for a refresher, who struggle with designing good studies and/or writing publishable manuscripts/grants.

### Applicants

- Must have a motivation to design good and evidence-based researches.
- Speak English fluently
- Must arrange Submit a short bio, and a statement of interest in English to course coordinator

**Course location:** محل آموزش:

### 1- Virtual

Online webinars and meetings via Learning Management System (LMS) of the University  
Offline learning interactions such as discussion forums and course activities via virtual offline systems of the university  
Online and Offline course exams via the virtual exam systems of the university

**Timeline of the course:** جدول زمانی دوره:

به تفکیک هر هفته : (hours/week) separated each week

<b>Week 1; Section 1</b>	<b>Benchside Research:</b> 6 Hours	15 Grade
	Clinical and Translational Research: The Basis for Evidence-Based Practice	
	From Benchside: Basic Research and Pre-Clinical Research: How Connects Basics to Humans/Patients?	
	Integrated Practice: Formulating and designing a draft of a connected	10 Grade

	basic research to patients; Two days supervised work at week 2	
	Active participation and Assignments	8 Grade
<b>From Bedside: Clinical Research; 10 Hours</b>		
<b>Week 1; Section 2</b>	<p>Concept Mapping and Conceptual Frameworks in Clinical Research (matching concepts to variables)</p> <p>Converting a Clinical Issue into an Answerable Research Question: Developing Specific Aims</p> <p>Translating Good Clinical Practice into Research Practice: Protecting Human Research Subjects</p> <p>Understanding Quantitative Research Designs: Strengths, Weaknesses and Uses</p> <ul style="list-style-type: none"> <li>➤ Biostatistics and Informatics</li> <li>➤ How to Work with a (Bio)Statistician</li> <li>➤ Informatics for the Clinical Investigator</li> </ul> <p>Understanding Qualitative Research Design: Appropriate Research Questions to Address Clinical Issues</p> <p>Clinical Implementation: Adoption of Interventions</p>	15 Grade
	Integrated Practice: Panel Discussion: Overcoming Research Pitfalls and Narrate Stories	10 Grade
	Active participation and Assignments	8 Grade
<b>Population-Based Research: Research for the Public Good; 6 Hours</b>		
<b>Week 1; Section 3</b>	Integrated Practice: Formulating and designing a draft of a population-based research; Two days supervised work at week 2	10 Grade
	Active participation and Assignments	8 Grade

## روش های یادهی - یادگیری با ذکر جزئیات : Learning Methods with details

The work and teaching methods shall facilitate the integration of knowledge, skills and competence in order to help achieve the greatest possible transfer value to professional practice. Emphasis is therefore placed on using a variety of work methods and alternating between theoretical studies and practical training.

Different types of digital technology are used in the programme to stimulate student-active learning and collaboration. Digital learning resources in the form of film clips, podcasts, academic texts, articles and interactive assignments are used in the programme. The participants will receive follow-up throughout the programme in the form of supervision and feedback. In some cases, the participants will assess each other's work and provide feedback. Such feedback may be provided in writing, orally or as a combination of both.

### **Practical:**

#### **Academic supervision, Participatory course activities**

The participants will attend academic supervision groups. Sessions will focus on sharing and reflecting on their experience from practical training. The participants will work on integrating theoretical knowledge and practical experience. The participants will work on integrating theoretical knowledge and relating it to the practice.

### **Theoretical:**

#### **Lectures, dialogues, and discussions**

Lectures are mainly used to introduce new material and to provide an overview. The participants are invited to engage in dialogue and discussion. Lectures are often used together with other teaching methods.

## مقررات آموزشی (در صورت وجود): Educational Provisions

### **Compulsory completing the course activities.**

The passing the exams and participation at the supervised professional training is compulsory. The course activities and assignments should be completed at minimum of 80% of the cases.

## نحوه ارزیابی فراگیران: Evaluation Methods

During the training, participants will be given a midway assessment and a final assessment where the practical ability is assessed in relation to the learning outcomes for the course.

Theoretical and practical training is assessed as pass/fail by an assigned supervisor. The methods of evaluation vary among multidisciplinary trainers' team including: **Online and offline exams and course activities.**

**Proposed tuition with** : ( ... و دستگاہها و ... )  
(material, equipment, Depreciation of equipment , ...) details

€ 200 - Course + course materials

**Course References:** منابع مورد استفاده در دوره:

Virtual multimedia such as podcasts, videos and interactive materials of SBMU on clinical and translational research.

**Course capacity** ظرفیت پذیرش دوره (پیشنهادی):

The 5 to 10 positions will be offered. After completing 10 positions, the submission will be closed.

**Course curriculum (Persian and English)** سرفصل دروس پیشنهادی به تفصیل (به فارسی و انگلیسی):

مقدمات تحقیق بنیادی و تحقیقات پیش بالینی  
تحقیق بالینی  
تحقیق جمعیت محور در جهت سلامت جامعه

From Benchside: Basic Research and Pre-Clinical Research

From Bedside: Clinical Research

Population-Based Research: Research for the Public Good

تعداد و عناوین آموزشی در هر روش با ذکر ساعت آموزشی :

**Number and titles of instruction in each procedure with time**

**Section one:** From Benchside: Basic Research and Pre-Clinical Research; **6 Hours**

**Section Two:** From Bedside: Clinical Research; **10 Hours**

**Section Three:** Population-Based Research: Research for the Public Good; **6 Hours**

مسئولین دوره: Course Responsible

• مسئول اجرایی

اطلاعات تماس (ایمیل و شماره تماس) Contact Number and Email	گروه / مرکز مربوطه Department	رتبه علمی Title	تخصص / رشته Field of study	نام و نام خانوادگی Name and Family Name
Tel: +98 9132160360 Email: Ghadirian.fataneh@gmail.com	Psychiatric Nursing and Management Department	Assistant Professor	Psychiatric Nursing	Dr Fataneh Ghadirian

• مسئول علمی

اطلاعات تماس (ایمیل و شماره تماس) Contact Number and Email	گروه / مرکز مربوطه Department	رتبه علمی Title	تخصص / رشته Field of study	نام و نام خانوادگی Name and Family Name
Tel: +98 9132160360 Email: Ghadirian.fataneh@gmail.com	Psychiatric Nursing and Management Department	Assistant Professor	Psychiatric Nursing	Dr Fataneh Ghadirian

مدرسین دوره Professors of Course

گروه آموزشی Department	رتبه علمی Title	تخصص / رشته Field of Study	نام و نام خانوادگی Name and Family Name	Row
Psychiatric Nursing and Management Department	Emeritus Associate Professor	Psychiatric Nursing	Dr. Jamileh Mohtashami	1



امضا و تایید مسئول مرکز مربوطه:

امضا و تایید مسئولین دوره:

امضا و تایید کارشناس بین الملل مرکز مربوطه: