

## TUMS Non-Degree Programs Form

<b>What kind of Non-Degree your Program is?</b>	International Short Course
<b>Name of the School/Institute/Research Center/Hospital/Other</b>	Department of Epidemiology and Biostatistics School of Public Health
<b>Program Title</b>	<b>Statistical Analysis of Health Research using STATA (18.0); Introduction and Advanced</b>
<b>Program Description</b>	<p>STATA software is widely regarded as one of the best statistical analysis tools, particularly in medical research. It is extensively used in top-ranked universities worldwide, including those in the United States, England, and Europe. This software is very user-friendly and has very strong analytical capabilities. during this training course, participants will start by learning about STATA through the introduction of study data. The course covers descriptive analysis and addresses approximately 40 relevant research questions. The course covers statistical theories, including hypothesis testing (both parametric and non-parametric), and demonstrates how to apply them using STATA software. Participants will progress to univariate linear and multivariate regression. The introductory course concludes with instruction on creating simple graphs.</p> <p>The advanced STATA training course focuses on analyzing binary outcomes using logistic regression, considering both univariate and multivariate risk factors. The course proceeds with one-way and two-way analysis of variance (ANOVA), including techniques for implementing interaction effects in the corresponding models. Participants will also learn about trend tests and the Mantel-Haenszel test. Finally, the course covers the analysis of ordered variable outcomes, considering both univariate and multivariate risk factors. The course concludes by teaching participants how to create more sophisticated graphs using STATA.</p>
<b>Program Objectives</b>	<ul style="list-style-type: none"> <li>* Getting familiar with capability and environment of STATA</li> <li>* Learning how to prepare data base for our research</li> <li>* Learning to how to do descriptive analysis and also testing hypothesis (parametric and non-parametric) and simple graphs</li> <li>* Learning how to do univariate and multiple repression, univariate and multiple logistic regression; univariate and multiple ordered outcomes and advanced graphs</li> </ul>
<b>Method of Instruction</b>	Face-to-face classes

<b>Program Location(s)</b>	Subtain University (Tehran University of Medical Sciences, International Branch in Iraq)
<b>Program Director(s)</b>	Professor Seyed Mostafa Hosseini
<b>Program Instructor(s)</b>	Professor Seyed Mostafa Hosseini
<b>Number of Positions Offered</b>	20
<b>Program Duration</b>	2 days
<b>Program Start Date</b>	September 26, 2024
<b>Program Finish Date</b>	September 27, 2024
<b>Application Deadline</b>	September 15, 2024
<b>Tuition Fee</b>	300 USD
<b>Who Can Attend</b>	The attenders should have BSc in Health-related Sciences
<b>Eligibility</b>	Eligible applicant will be selected among the volunteers to participate in the course based on their CVs.
<b>Contact Information</b>	<a href="mailto:intl@tums.ac.ir">intl@tums.ac.ir</a> Tel.: +98 912 190 4102 Fax: +98 21 88989123 Web: <a href="mailto:mhossein110@yahoo.com">mhossein110@yahoo.com</a> / <a href="mailto:hosseini@tums.ac.ir">hosseini@tums.ac.ir</a>
<b>How to Apply</b>	All applicants should apply online. Please note there is no in-person admission. Applicants are required to fill in the Online Application Form and upload it along with all required documents at <a href="https://gsia.tums.ac.ir/en/login/menu/-2">https://gsia.tums.ac.ir/en/login/menu/-2</a> For more information, please contact <a href="mailto:admission@tums.ac.ir">admission@tums.ac.ir</a>
<b>Visa Application</b>	The visa procedure is similar to other applicant to TUMS
<b>Accommodation</b>	The accommodation is the responsibility of applicants.