

# 2022 Alfaisal Research Summer School



جامعة الفيصل  
Alfaisal University



SAUDI HTC  
المركز السعودي للتدريب الصحي



July 17, 2022

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August 4, 2022

Limited Seats

Registration

Opens on June 26

Closes on July 7

**3 Weeks**  
of extensive  
courses in research  
online or in-person

**Alfaisal Research Summer School** is an intensive 3-week program that carries you through the A-Z journey of research by utilizing a unique theoretical and hands-on hybrid teaching model



Targeted towards all students of Medicine, Dentistry, Pharmacy, Nursing and Applied Medical Sciences



Held at the state-of-the-art Alfaisal University Campus



Delivered by field experts providing high-quality, practical knowledge



3500 SAR VAT inclusive



Alfaisal University

Al Takhassousi, Al Zahrawi Street interconnecting with Riyadh 11533, Saudi Arabia

**Week I**

Day	Subject	Time
Sunday	Introduction to Research & Ethical issues in Research	8 am -9 am
	Selection of Research Topic	9 am - 10 am
	Formulation of Research Question and Hypothesis	10 am – 11 am
	Writing a Research Objectives	11 am -12 am
	<b>Prayer &amp; Lunch</b>	<b>12 pm – 1 pm</b>
	Hands-on workshop (writing research Question & Objectives)	1 pm – 4 pm
Monday	Introduction to Research Proposals	9 am - 10 am
	Introduction to Literature Review	10 am – 11 am
	Effective Literature review and critical appraisal	11 am -12 am
	<b>Prayer &amp; Lunch</b>	<b>12 pm – 1 pm</b>
	Hands-on workshop (Writing Research Proposal and conducting Literature review)	1 pm – 4 pm
Tuesday	Introduction to study design	8 am -9 am
	Study Design I: Cross-sectional Study	9 am - 10 am
	Study Design II: Case control Study	10 am – 11 am
	Study Design III: Cohort Study	11 am -12 am
	<b>Prayer &amp; Lunch</b>	<b>12 pm – 1 pm</b>
	Hands-on workshop (Study design practice)	1 pm – 4 pm
Wednesday	Data Collection Tools	8 am -9 am
	Questionnaire Design	9 am - 10 am
	Reliability of data Collections Tools (Questionnaires)	10 am – 11 am
	Validity : definition and types	11 am -12 am
	<b>Prayer &amp; Lunch</b>	<b>12 pm – 1 pm</b>
	Hands-on workshop (Data collection tool creation)	1 pm – 4 pm
Thursday	Introduction to SPSS	8 am -9 am
	Data Entry using SPSS	9 am - 10 am
	Data Manipulation	10 am – 11 am
	Data Entry	11 am -12 am
	<b>Prayer &amp; Lunch</b>	<b>12 pm – 1 pm</b>
	Hands-on workshop (SPSS practical session)	1 pm – 4 pm

**Week II**

Day	Subject	Duration
Sunday	Introduction to Biostatistics	9 am - 10 am
	Variables: definition and types	10 am – 11 am
	Data Presentation: Tabular & Graphical Presentation	11 am -12 am
	<b>Prayer &amp; Lunch</b>	<b>12 pm – 1 pm</b>
	Meeting with supervisors (Biostatistics practice)	1 pm – 4 pm
Monday	Measure of Central Tendency and Reliability	8 am -9 am
	Measure of Variability	9 am - 10 am
	Probability and Confidence Interval	10 am – 11 am
	Confidence Intervals	11 am -12 am
	<b>Prayer &amp; Lunch</b>	<b>12 pm – 1 pm</b>
	Hands-on workshop (Biostatistics practice)	1 pm – 4 pm
Tuesday	Hypothesis Testing	9 am - 10 am
	t-test and Analysis of Variance	10 am – 11 am
	Chi-Square Test	11 am -12 am
	<b>Prayer &amp; Lunch</b>	<b>12 pm – 1 pm</b>
	Hands-on workshop (Biostatistics practice)	1 pm – 4 pm
Wednesday	Regression and Correlation	8 am – 9 am
	Sample Size and sampling Techniques	9 am - 10 am
	Sample size workshop	10 am – 11 am
	How to write a projects proposal	11 am -12 am
	<b>Prayer &amp; Lunch</b>	<b>12 pm – 1 pm</b>
	Hands-on workshop (Biostatistics practice)	1 pm – 4 pm
Thursday	Presentation of Research Proposal	9 am - 12 am
	<b>Prayer &amp; Lunch</b>	<b>12 pm – 1 pm</b>
	Preparation for Data Collections	1 pm – 4 pm

**Week III**

Day	Subject	Duration
Sunday	Data Collection & Entry using SPSS	9 am - 12 am
	<b><i>Prayer &amp; Lunch</i></b>	<b>12 pm – 1 pm</b>
	Data Collection & Entry using SPSS	1 pm – 4 pm
Monday	Hands-on Statistical Analysis & Writing of Results	9 am - 12 am
	<b><i>Prayer &amp; Lunch</i></b>	<b>12 pm – 1 pm</b>
	Hands-on Statistical Analysis & Writing of Results	1 pm – 4 pm
Tuesday	Scientific Writing	9 am - 12 am
	<b><i>Prayer &amp; Lunch</i></b>	<b>12 pm – 1 pm</b>
	Writing Scientific manuscript	1 pm – 4 pm
Wednesday	Writing Discussion	9 am - 12 am
	<b><i>Prayer &amp; Lunch</i></b>	<b>12 pm – 1 pm</b>
	Meeting with Supervisors ( writing the Manuscript)	1 pm – 4 pm
Thursday	Wrap up the manuscript	9 am - 12 am
	<b><i>Prayer &amp; Lunch</i></b>	<b>12 pm – 1 pm</b>
	Participants' presentation	1 pm – 4 pm