

In the name of God
Epidemiology & Biostat Dept., School of Health Sciences, Isfahan Univ of Med Sciences
 Syllabus & Information on Professional English Language for MSc Students in Epidemiology presented at
 first semester of 1395-96 Academic year

Course Title	Professional English Language
Time & Place	Every Sunday - 8 to 10 A.M. at Class 1
Number of Unit	2 units – 17 sessions of 2 hours
Lecture & Course director	Dr Ghasem Yadegarfar
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Main Aims of the course:

1. **Reviewing part of speech**
2. **Being able to read, understand and present the whole book of “Medical Statistics at a Glance”. (see the reference number 3)**
3. **Being able to read, understand and present a published paper in Epidemiology fields**
4. **Getting familiar with Epidemiology & Biostatistics terminology (A list of most important terms)**
5. **Being able to write an abstract to present in International Seminar**
6. **Being able to write a CV**
7. **Being able to talk, listen, and write in English as much as possible**
8. **Being able to communicate with Overseas Universities, write an official letter and fill an application form**
9. **Enable to use Merriam-Webster Online Dictionary to correct their own pronunciation, and details of**

Teaching Approach:

- 1- **A short lecture by the lecturer followed by question & answer**
- 2- **Presentation by the students**
- 3- **Group Discussion**

Evaluation:

- 1- **Attendance (10%)**
- 2- **Student published paper presentation (20%)**
- 3- **Student text book presentation (10%)**
- 4- **Student abstract & CV presentation (10%)**
- 4- **Essay (2500 words about a selected topic) (20%)**
- 5- **Written Exam (20%)**
- 6- **Oral Exam (10%)**

References:

- 1 –Kiumarss Nasser, A comprehensive Dictionary of Epidemiology, 2010, Gap Publisher, Tehran, Iran
- 2- John M Last, A Dictionary of Epidemiology, Sixth Edition Edited for the International Epidemiological Association By Miquel Porta, 2014, Oxford, University Press, NY, USA
- 3- Aviva Petrie, Caroline Sabin (2005) - Medical Statistics at a Glance, 2nd Edn, Blackwell Science, Oxford, UK
- 4- Alan J. Silman & Gary J. Mcfarlane (2002) - Epidemiological Studies: A practical Guide, 2nd Edn, Cambridge University Press, Cambridge, UK
- 5- Raymond Morphy, 1999, English Grammar in Use, Cambridge University Press, Cambridge, UK
- 6- Rothman, Kenneth J. Epidemiology - an introduction NY, Oxford University Press, 2nd ed
- 7- Some articles which introduced during the course

<u>Sessions</u>	<u>Date</u>	<u>Topics</u>		<u>Students' activities</u>
		<u>General</u>	<u>Scientific</u>	
1		Getting familiar with each other	Introducing the course and activities	Introducing yourself to the class in English Language only
2		1-Weekend activities and introducing cities where everyone comes from 2- Sentence structure in English	1- Definition of Epidemiology & its components 2- Definition of Statistics & its components	Each student introduces her/his city of origin; Making simple sentences Students talk about the definition of statistics & Epidemiology and its components with question and answers at the end of the talk
3 /4		1- Weekend activities 2- Time management 3- Present continuous 4- Present Simple	1- Types of data & 2- Measure of Disease Occurrence & causal effect (Incidence, Prevalence)	Making sentences based on grammar in use of the session Students present their slides with question and answers at the end of their talks
5/6		1-Weekend activities 2- Time management 3- Past continuous 4- Past Simple	1- Study types overall (Descriptive, Analytical, Interventional) 2- Data entry & Error checking	Making sentences based on grammar in use of the session Students present their slides with question and answers at the end of their talks
6/7		1- Weekend activities ; 2- Time management 3- How to write a CV? 4- Present perfect 5- Present perfect continuous	1- Epidemiological Study types (RCT, Cohort, Case-Control, Cross-sectional, Ecologic Studies) 2- Which study Design 3- Descriptive Statistics – overall approaches	Making sentences based on grammar in use of the session Students present their slides with question and answers at the end of their talks Each student should write, present and hand in his/her CV
8/9		1-Time management 2- Present an Abstract 3- Past perfect 4- Past perfect continuous	1- Biases in study Design 2- Graphical Illustration of Data 3- Which measure of association? (Relative Risk, Odds Ratio,	Making sentences based on grammar in use of the session Students present their slides with question and answers at the end of their talks Each student should write, present and hand in his/her CV

			Attributable Risk	
10/11		1- Present an Abstract 2- Weekend activities 3- Future activities / Plan 4- Future tense (Will / I am going to)	1- Random Error & role of statistics in Epidemiological Studies 2- Descriptive statistics 3- Which measure of association?	Making sentences based on grammar in use of the session Students present their slides with question and answers at the end of their talks
12/13		1- Present an Abstract 2- Weekend activities 3- Passive or active	1- Confounding and controlling for it 2- Statistical Inference (CI – Hypothesis Testing) Causal inference?	Making sentences based on grammar in use of the session Students present their slides with question and answers at the end of their talks
14/15		1- Writing a letter or an official email 2- Weekend activities 3- Conditional & Wish	1- Diagnostic tools in screening: Sensitivity, Specificity, PPV, NPV 2- P-value, Type I, Type II and power	- Making sentences based on grammar in use of the session Students present their slides with question and answers at the end of their talks
16/17		1- Writing a letter or an official email 2- Weekend activities – 3- Reported Speech	1- Reliability & Validity of Epidemiological Data 2- Analysis & Interpretation of Epidemiological Data 3- Dealing with Missing Data	Making sentences based on grammar in use of the session Students present their slides with question and answers at the end of their talks