Al-Farabi Kazakh National University Faculty Medicine and Health Care Education program on specialty: «7M 1113791 Public Health»

# GUIDELINE ON SELF-INDEPENDENT STUDY OF PhD STUDENTS ON COURSE "Epidemiology"

3 credits

Author:

FA. Iskakova, MD, PhD

Almaty, 2019

## SCHEDULE OF PERFORMANCE AND METHODICAL INSTRUCTIONS FOR ORGANIZING

#### SELF INDEPENDENT WORK OF PhD STUDENTS ON DISCIPLINE «MODERN

## EPIDEMIOLOGIC METHODS IN MEDICINE»

# 1. SCHEDULE OF PERFORMANCE AND DEFENSE OF PhD INDEPENDENT WORK

Week/Date	Task	Methodical recommendations and content of task	Required and recommended Reading
Module П А	troduction to modern e nalytical studies Experimental studies Masters SIW 1. Essay and overview of articles on	pidemiologic studies. To perform SIW, you need to choose a topic, familiarize yourself with	1. Aschengrau A., Essentials of Epidemiology in Public Health, 3rd Edition, 2008
	Bases and concepts of Epidemiology.	the recommended thematic literature, conduct a search on web sites and use knowledge, logical thinking, brevity, scientific style and professional language for writing work.	<ul> <li>Recommended reading:</li> <li>1. Gordis: Epidemiology, 5th Edition, Saunders 2013</li> <li>2. Rothman K., Modern Epidemiology, 3rd Edition, 2008</li> <li>3. Pickles A. Epidemiological Methods in Life Course Research, 1st Edition, 2007</li> <li>4. Webb P and Bain C. Essential Epidemiology: An introduction for Students and Health Professionals. Second Edition. Cambridge University Press. 2011.</li> <li>5. Wolfgang, A. Handbook of Epidemiology. Vol.1//Ahrens Wolfgang, Peugeot Iris 2 ed Springer Reference, 2014 469 p.</li> <li>6. Principles and methods of Epidemiology. 3-d Edition. R. Dicker Ooffice of epidemiologic program CДС, USAID2012457 P.</li> <li>7. Principles of Epidemiology in Public Health Practice. Third Edition. An introduction to Epidemiology and Biostatics.US, CDC, Atlanta 20126-75 p.</li> </ul>

<b></b>			
7/18.10.19	Masters SIW 2. Epidemiological	To perform SIW, you need to choose a topic,	<ul> <li>8. Hennekens, C., &amp; Buring, J. (1987). Epidemiology in Medicine, Boston/Toronto: Little, Brown and Company.</li> <li>9. Kelsey, J., Whittemore, A., Evans, A. &amp; Thompson, D. (1996). Methods in Observational Epidemiology, Second Edition, New York: Oxford University Press.</li> <li>Electronic source: <u>www.who.org</u> <u>www.cdc.gov</u> <u>www.cockraine.library</u> <u>www.cockraine.library</u> <u>www.PubMed</u></li> <li>1. Aschengrau A., Essentials of Epidemiology in Public</li> </ul>
	Investigation. Surveillance.	familiarize yourself with the recommended thematic literature, conduct a search on web sites and use knowledge, logical thinking, brevity, scientific style and professional language for writing work	<ul> <li>Health, 3rd Edition, 2008</li> <li>Recommended reading:</li> <li>Gordis: Epidemiology, 5th Edition, Saunders 2013</li> <li>Rothman K., Modern Epidemiology, 3rd Edition, 2008</li> <li>Pickles A. Epidemiological Methods in Life Course Research, 1st Edition, 2007</li> <li>Webb P and Bain C. Essential Epidemiology: An introduction for Students and Health Professionals. Second Edition. Cambridge University Press. 2011.</li> <li>Wolfgang, A. Handbook of Epidemiology. Vol. 1//Ahrens Wolfgang, Peugeot Iris 2 ed Springer Reference, 2014 469 p.</li> <li>Principles and methods of Epidemiology. 3-d Edition. R. Dicker Ooffice of epidemiologic program CДC, USAID2012457 P.</li> <li>Principles of Epidemiology in Public Health Practice. Third Edition. An introduction to Epidemiology and</li> </ul>
	Masters SIW 3. Descriptive and	To perform SIW, you need to choose a topic,	1. Aschengrau A., Essentials of
	analytical studies.	familiarize yourself with the recommended	Epidemiology in Public Health, 3rd Edition, 2008

[		the meeting 1: the metric m		2 December 1 1 1
		thematic literature, conduct a search on web		<ol> <li>Recommended reading:</li> <li>Cordia: Enidemiology</li> </ol>
		sites and use knowledge,		3. Gordis: Epidemiology,
		logical thinking, brevity,		5th Edition, Saunders
		scientific style and		2013
		professional language for		4. Rothman K., Modern
		writing work		Epidemiology, 3rd
		C		Edition, 2008
				5. Pickles A.
				Epidemiological Methods in Life Course
				Research, 1st Edition, 2007
				6. Webb P and Bain C.
				Essential Epidemiology:
				An introduction for
				Students and Health
				Professionals. Second
				Edition. Cambridge
				University Press. 2011.
				7. Wolfgang, A. Handbook
				of Epidemiology.
				Vol.1//Ahrens Wolfgang,
				Peugeot Iris 2 ed
				Springer Reference,
				2014 469 p.
				<ol> <li>Principles and methods of</li> </ol>
				Epidemiology. 3-d Edition.
				R. Dicker Ooffice of
				epidemiologic program
				сдс, USAID2012457
				P.
				9. Principles of
				Epidemiology in Public
				Health Practice. Third
				Edition. An introduction to
				Epidemiology and
Ma	sters SIW 4	To perform SIW, you	1.	Aschengrau A., Essentials of
	nical Trial	need to choose a topic,	1.	Epidemiology in Public
		familiarize yourself with		Health, 3rd Edition, 2008
		the recommended	2.	Recommended reading:
		thematic literature,	2. 3.	Gordis: Epidemiology, 5th
		conduct a search on web	5.	Edition, Saunders 2013
		sites and use knowledge,	4.	Rothman K., Modern
		logical thinking, brevity,	т.	Epidemiology, 3rd Edition,
		scientific style and		2008
		professional language for	5	Pickles A. Epidemiological
		writing work	5.	Methods in Life Course
				Research, 1st Edition, 2007
			6.	Webb P and Bain C. Essential
			0.	Epidemiology: An
				introduction for Students and
				Health Professionals. Second
				ricaluli i loiessioliais. Secoliu

Masters SIW 5,       To perform SIW, you       1         Clinical       Epidemiology and       read to choose a topic,       familiarize yourself with         Evidence-Based       Medicine.       conduct a search on web       sites and use knowledge,       1         Iogical thinking, brevity, scientific style and professional language for writing work       g       6         Image: Style	<ul> <li>USAID2012457 P.</li> <li>Principles of Epidemiology in Public Health Practice. Third Edition. An introduction to Epidemiology and</li> <li>Aschengrau A., Essentials of Epidemiology in Public Health, 3rd Edition, 2008</li> <li>Recommended reading:</li> <li>Gordis: Epidemiology, 5th Edition, Saunders 2013</li> <li>Rothman K., Modern Epidemiology, 3rd Edition, 2008</li> <li>Pickles A. Epidemiological Methods in Life Course Research, 1st Edition, 2007</li> <li>Webb P and Bain C. Essential Epidemiology: An introduction for Students and Health Professionals. Second Edition. Cambridge University Press. 2011.</li> <li>Wolfgang, A. Handbook of Epidemiology. Vol.1//Ahrens Wolfgang, Peugeot Iris 2 ed Springer Reference, 2014 469 p.</li> <li>Principles and methods of Epidemiology. 3-d Edition. R. Dicker Ooffice of epidemiologic program C/IC, USAID2012457 P.</li> <li>Principles of Epidemiology in Public Health Practice. Third Edition. An introduction to Epidemiology.</li> </ul>
--	--

Lecture 5. Public	1. Aschengrau A., Essentials of
Health Surveillance.	Epidemiology in Public
	Health, 3rd Edition, 2008
	2. Recommended reading:
	3. Gordis: Epidemiology, 5th
	Edition, Saunders 2013
	4. Rothman K., Modern
	Epidemiology, 3rd Edition,
	2008
	5. Pickles A. Epidemiological
	Methods in Life Course
	Research, 1st Edition, 2007
	6. Webb P and Bain C. Essential
	Epidemiology: An
	introduction for Students and
	Health Professionals. Second
	Edition. Cambridge University
	Press. 2011.
	7. Wolfgang, A. Handbook of
	Epidemiology. Vol.1//Ahrens
	Wolfgang, Peugeot Iris 2
	ed Springer Reference,
	2014 469 p.
	8. Principles and methods of
	Epidemiology. 3-d Edition. R.
	Dicker Ooffice of
	epidemiologic program СДС,
	USAID2012457 P.
	Principles of Epidemiology in
	Public Health Practice. Third
	Edition. An introduction to
	Epidemiology.
	I ····································

9/01.11.19	Masters SIW 3. Exposure or outcome in epidemiologic studies.	To perform SIW, you need to choose a topic, familiarize yourself with the recommended thematic literature, conduct a search on web sites and use knowledge, logical thinking, brevity, scientific style and professional language for writing work	<ul> <li>Biostatics.US, CDC, Atlanta. -20126-75 p.</li> <li>Hennekens, C., &amp; Buring, J. (1987). Epidemiology in Medicine, Boston/Toronto: Little, Brown and Company.</li> <li>Kelsey, J., Whittemore, A., Evans, A. &amp; Thompson, D. (1996). Methods in Observational Epidemiology, Second Edition, New York: Oxford University Press.</li> <li>Electronic source:</li> <li>www.who.org</li> <li>www.who.org</li> <li>www.medline</li> <li>www.nedline</li> <li>www.nedline</li> <li>www.pubMed</li> <li>Aschengrau A., Essentials of Epidemiology in Public Health, 3rd Edition, 2008</li> <li>Recommended reading:</li> <li>Gordis: Epidemiology, 5th Edition, Saunders 2013</li> <li>Rothman K., Modern Epidemiology in Curse Research, 1st Edition, 20</li> <li>Webb P and Bain C. Essential Epidemiology: An introduction for Students and Health Professionals. Second Edition. Cambridge University Press. 2011.</li> <li>Wolfgang, A. Handbook of Epidemiology. 3-d Edition, 2014. 469 p.</li> <li>Principles and methods of Epidemiology. 3-d Edition, R. Dicker Ooffice of epidemiologic program CДC, USAID2012457 P.</li> <li>Principles of Epidemiology in Public Health Practice. Third Edition. An introduction to Epidemiology and Biostatics.US, CDC, Atlanta20126-75 p.</li> </ul>

12/22.11.19	Masters SIW 4. Clinical Trial 1.	To perform SIW, you need to choose a topic, familiarize yourself with the recommended thematic literature, conduct a search on web sites and use knowledge, logical thinking, brevity, scientific style and professional language for writing work	<ul> <li>Boston/Toronto: Little, Brown and Company.</li> <li>10. Kelsey, J., Whittemore, A., Evans, A. &amp; Thompson, D. (1996). Methods in Observational Epidemiology, Second Edition, New York: Oxford University Press.</li> <li>Electronic source:</li> <li>11. www.who.org</li> <li>12. www.cdc.gov</li> <li>13. www.medline</li> <li>14. www.cockraine.library</li> <li>15. www.PubMed</li> <li>1. Aschengrau A., Essentials of Epidemiology in Public Health, 3rd Edition, 2008</li> <li>2. Recommended reading:</li> <li>3. Gordis: Epidemiology, 5th Edition, Saunders 2013</li> <li>4. Rothman K., Modern Epidemiology, 3rd Edition, 2008</li> <li>5. Pickles A. Epidemiological Methods in Life Course Research, 1st Edition, 20</li> <li>6. Webb P and Bain C. Essential Epidemiology: An introduction for Students and Health Professionals. Second Edition. Cambridge University Press. 2011.</li> <li>7. Wolfgang, A. Handbook of Epidemiology. Vol.1//Ahrens Wolfgang, Peugeot Iris 2 ed Springer Reference, 2014 469 p.</li> </ul>
12/22.11.19		need to choose a topic, familiarize yourself with the recommended thematic literature, conduct a search on web sites and use knowledge, logical thinking, brevity, scientific style and professional language for	<ul> <li>Epidemiology in Public Health, 3rd Edition, 2008</li> <li>2. Recommended reading:</li> <li>3. Gordis: Epidemiology, 5th Edition, Saunders 2013</li> <li>4. Rothman K., Modern Epidemiology, 3rd Edition, 2008</li> <li>5. Pickles A. Epidemiological Methods in Life Course Research, 1st Edition, 20</li> <li>6. Webb P and Bain C. Essential Epidemiology: An introduction for Students and Health Professionals. Second Edition. Cambridge University Press. 2011.</li> <li>7. Wolfgang, A. Handbook of Epidemiology. Vol.1//Ahrens Wolfgang, Peugeot Iris 2 ed</li> </ul>
			<ul> <li>13. 14. www.cockraine.library</li> <li>14. 15. www.PubMed</li> <li>15.</li> </ul>

14/06 10 10	3.6		
14/06.12.19	Masters SIW.	To perform SIW, you	Required Reading
	Clinical Trial 2.	need to choose a topic,	1. Aschengrau A., Essentials of
		familiarize yourself with	Epidemiology in Public Health,
		the recommended	3rd Edition, 2008
		thematic literature,	2. Recommended reading:
		conduct a search on web	3. Gordis: Epidemiology, 5th
		sites and use knowledge,	Edition, Saunders 2013
		logical thinking, brevity,	4. Rothman K., Modern
		scientific style and	Epidemiology, 3rd Edition, 2008
		professional language for	5. Pickles A. Epidemiological
		writing work	Methods in Life Course Research,
			1st Edition, 20
			6. Webb P and Bain C. Essential
			Epidemiology: An introduction for
			Students and Health Professionals.
			Second Edition. Cambridge
			University Press. 2011.
			7. Wolfgang, A. Handbook of
			Epidemiology. Vol.1//Ahrens
			Wolfgang, Peugeot Iris 2 ed
			Springer Reference, 2014 469 p.
			8. Hennekens, C., & Buring, J.
			(1987). Epidemiology in
			Medicine, Boston/Toronto: Little,
			Brown and Company
			9. Electronic source:
			10. 11. www.who.org
			11. 12. www.cdc.gov
			12. 13. www.medline
			13. 14. www.cockraine.library
			14. 15. www.PubMed
	l		17. 1 <i>J</i> . www.1 u01v16u