

Al-Farabi Kazakh National University
Faculty Medicine and Health Care
Education program on specialty:
«7M 1113832 Medicine»

GUIDELINE ON SELF-INDEPENDENT STUDY OF PhD STUDENTS ON
COURSE “Epidemiology”
3 credits

Author:

FA. Iskakova, MD, PhD

Almaty, 2019

SCHEDULE OF PERFORMANCE AND METHODOLOGICAL 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 I. Introduction to modern epidemiologic studies. Module II Analytical studies Module III. Experimental studies			
3/20.09.19	Masters SIW 1. Essay and overview of articles on Bases and concepts of Epidemiology.	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.	1. Aschengrau A., Essentials of Epidemiology in Public Health, 3rd Edition, 2008 Recommended reading: 1. Gordis: Epidemiology, 5th Edition, Saunders 2013 2. Rothman K., Modern Epidemiology, 3rd Edition, 2008 3. Pickles A. Epidemiological Methods in Life Course Research, 1st Edition, 2007 4. Webb P and Bain C. Essential Epidemiology: An introduction for Students and Health Professionals. Second Edition. Cambridge University Press. 2011. 5. Wolfgang, A. Handbook of Epidemiology. Vol.1//Ahrens Wolfgang, Peugeot Iris. - 2ed.- Springer Reference, 2014.- 469 p. 6. Principles and methods of Epidemiology. 3-d Edition. R. Dicker Ooffice of epidemiologic program CДC, USAID. -2012.-457 P. 7. Principles of Epidemiology in Public Health Practice. Third Edition. An introduction to Epidemiology and Biostatistics. US, CDC, Atlanta. - 2012.-6-75 p.

			<p>8. Hennekens, C., & Buring, J. (1987). <i>Epidemiology in Medicine</i>, Boston/Toronto: Little, Brown and Company.</p> <p>9. Kelsey, J., Whittemore, A., Evans, A. & Thompson, D. (1996). <i>Methods in Observational Epidemiology</i>, Second Edition, New York: Oxford University Press.</p> <p>Electronic source: www.who.org www.cdc.gov www.medline www.cochrane.library www.PubMed</p>
7/18.10.19	Masters SIW 2. Epidemiological Investigation. Surveillance.	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	<ol style="list-style-type: none"> 1. Aschengrau A., <i>Essentials of Epidemiology in Public Health</i>, 3rd Edition, 2008 2. Recommended reading: 3. Gordis: <i>Epidemiology</i>, 5th Edition, Saunders 2013 4. Rothman K., <i>Modern Epidemiology</i>, 3rd Edition, 2008 5. Pickles A. <i>Epidemiological Methods in Life Course Research</i>, 1st Edition, 2007 6. Webb P and Bain C. <i>Essential Epidemiology: An introduction for Students and Health Professionals</i>. Second Edition. Cambridge University Press. 2011. 7. Wolfgang, A. <i>Handbook of Epidemiology</i>. Vol.1//Ahrens Wolfgang, Peugeot Iris. - 2 ed.- Springer Reference, 2014.- 469 p. 8. <i>Principles and methods of Epidemiology</i>. 3-d Edition. R. Dicker Ooffice of epidemiologic program CDC, USAID. -2012.-457 P. 9. <i>Principles of Epidemiology in Public Health Practice</i>. Third Edition. An introduction to Epidemiology and
	Masters SIW 3. Descriptive and analytical studies.	To perform SIW, you need to choose a topic, familiarize yourself with the recommended	<ol style="list-style-type: none"> 1. Aschengrau A., <i>Essentials of Epidemiology in Public Health</i>, 3rd Edition, 2008

		<p>thematic literature, conduct a search on web sites and use knowledge, logical thinking, brevity, scientific style and professional language for writing work</p>	<ol style="list-style-type: none"> 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 C/JC, USAID. -2012.-457 P. 9. Principles of Epidemiology in Public Health Practice. Third Edition. An introduction to Epidemiology and
	<p>Masters SIW 4 Clinical Trial</p>	<p>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</p>	<ol style="list-style-type: none"> 1. Aschengrau A., Essentials of 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

			<p>Edition. Cambridge University Press. 2011.</p> <ol style="list-style-type: none"> 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 CDC, USAID. -2012.-457 P. 9. Principles of Epidemiology in Public Health Practice. Third Edition. An introduction to Epidemiology and
	<p>Masters SIW 5, Clinical Epidemiology and Evidence-Based Medicine.</p>	<p>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</p>	<ol style="list-style-type: none"> 1. Aschengrau A., Essentials of 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 CDC, USAID. -2012.-457 P. 9. Principles of Epidemiology in Public Health Practice. Third Edition. An introduction to Epidemiology .

	<p>Lecture 5. Public Health Surveillance.</p>		<ol style="list-style-type: none"> 1. Aschengrau A., Essentials of 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 CDC, USAID. -2012.-457 P. Principles of Epidemiology in Public Health Practice. Third Edition. An introduction to Epidemiology.
--	---	--	---

			<p>Biostatistics.US, CDC, Atlanta. -2012.-6-75 p.</p> <p>10. Hennekens, C., & Buring, J. (1987). Epidemiology in Medicine, Boston/Toronto: Little, Brown and Company.</p> <p>11. Kelsey, J., Whittemore, A., Evans, A. & Thompson, D. (1996). Methods in Observational Epidemiology, Second Edition, New York: Oxford University Press.</p> <p>12. Electronic source:</p> <p>13. www.who.org</p> <p>14. www.cdc.gov</p> <p>15. www.medline</p> <p>16. www.cockraine.library</p> <p>17. www.PubMed</p>
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	<p>1. Aschengrau A., Essentials of Epidemiology in Public Health, 3rd Edition, 2008</p> <p>Recommended reading:</p> <p>2. Gordis: Epidemiology, 5th Edition, Saunders 2013</p> <p>3. Rothman K., Modern Epidemiology, 3rd Edition, 2008</p> <p>4. Pickles A. Epidemiological Methods in Life Course Research, 1st Edition, 20</p> <p>5. Webb P and Bain C. Essential Epidemiology: An introduction for Students and Health Professionals. Second Edition. Cambridge University Press. 2011.</p> <p>6. Wolfgang, A. Handbook of Epidemiology. Vol.1//Ahrens Wolfgang, Peugeot Iris. - 2 ed.- Springer Reference, 2014.- 469 p.</p> <p>7. Principles and methods of Epidemiology. 3-d Edition. R. Dicker Ooffice of epidemiologic program CДC, USAID. -2012.-457 P.</p> <p>8. Principles of Epidemiology in Public Health Practice. Third Edition. An introduction to Epidemiology and Biostatistics.US, CDC, Atlanta. -2012.-6-75 p.</p> <p>9. Hennekens, C., & Buring, J. (1987). Epidemiology in Medicine,</p>

			<p>Boston/Toronto: Little, Brown and Company.</p> <p>10. Kelsey, J., Whittemore, A., Evans, A. & Thompson, D. (1996). Methods in Observational Epidemiology, Second Edition, New York: Oxford University Press.</p> <p>Electronic source:</p> <p>11. www.who.org</p> <p>12. www.cdc.gov</p> <p>13. www.medline</p> <p>14. www.cockraine.library</p> <p>15. www.PubMed</p>
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	<p>1. Aschengrau A., Essentials of Epidemiology in Public Health, 3rd Edition, 2008</p> <p>2. Recommended reading:</p> <p>3. Gordis: Epidemiology, 5th Edition, Saunders 2013</p> <p>4. Rothman K., Modern Epidemiology, 3rd Edition, 2008</p> <p>5. Pickles A. Epidemiological Methods in Life Course Research, 1st Edition, 20</p> <p>6. Webb P and Bain C. Essential Epidemiology: An introduction for Students and Health Professionals. Second Edition. Cambridge University Press. 2011.</p> <p>7. Wolfgang, A. Handbook of Epidemiology. Vol.1//Ahrens Wolfgang, Peugeot Iris. - 2 ed.- Springer Reference, 2014.- 469 p.</p> <p>8. Hennekens, C., & Buring, J. (1987). Epidemiology in Medicine, Boston/Toronto: Little, Brown and Company.</p> <p>9. Guidelines for phase 1 clinical trials, 2012</p> <p>Electronic source:</p> <p>10. 11. www.who.org</p> <p>11. 12. www.cdc.gov</p> <p>12. 13. www.medline</p> <p>13. 14. www.cockraine.library</p> <p>14. 15. www.PubMed</p> <p>15.</p>

14/06.12.19	Masters <i>SIW</i> . <i>Clinical Trial 2</i> .	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	<p>Required Reading</p> <ol style="list-style-type: none"> 1. Aschengrau A., Essentials of 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, 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
-------------	---	--	--