**Guidelines to preparation of IWS for their implementation**

**by discipline " Botany"**

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| **N** | **Name of SIW** | **Number of week** | **Grade** |
| 1 | Types, functions and importance of major plant tissues | **2** | **15** |
| 2 | Main structural features of the organs of monocotyledonous and dicotyledonous plants | **5** | **15** |
| 3 | Modifications of the anatomical structure of organs under the influence of phytohormones | **9** | **15** |
| 4 | Practical significance of plants in medicine | **14** | **15** |

The preparation of the IWS takes place in the form of a presentation. Each presentation must have at least 15 slides. The first is the title of the presentation, the name and details of who did it, the last is links to sources. The ratio of the visual to the text should not exceed 1: 2. the presentation should be in PDF format.

**Main sources**

1. Shipunov A. Introduction to Botany. 2018. – 181 p. http://ashipunov.info/shipunov/school/biol\_154/ eBook
2. Raven P., Evert R.F. , Eichhorn S.E. Biology of Plants. By W. H. Freeman and Company 2013. – 864 p.
3. Milena Martinková, Martin Čermák, Roman Gebauer, Zuzana Špinlerová. Plant Botany.An introduction to plant anatomy, morphology and physiology. Brno, 2014. 103 p. eBook
4. Michael G. Simpson Plant Systematics *(*Third Edition*)*. - 2018. – 774 p. ebook
5. Gurcharan Singh. Plant Systematics. An Integrated Approach. **Science Publishers. -** 2011. – 716 p.
6. Arun K. Pandey, Shruti Kasana. Plant Systematics. CRC Press. – 2021. – 340 p.

Internet resources:

11. <http://elibrary.kaznu.kz/ru/>

12. https://study.com/academy/topic/introduction-to-plant-anatomy.html

13. <https://botanydepot.com/2021/01/20/videos-plant-systematics-lectures-by-bruce-kirchoff/>