

Al-Farabi Kazakh national university  
 Post-graduate education  
 CURRICULUM  
 For enrollment 2012 year  
 Master's degree specialty  
 6M060900 – Geography  
 Term of training – 2 years

Academic degree: Master's degree of Natural sciences on specialty 6M060900 – Geography.  
 Developed on the basis of experimental educational program

**Academic calendar**

| Fall semester                        | Weeks | Date                                 |
|--------------------------------------|-------|--------------------------------------|
| Academic processes                   |       |                                      |
| Orientation week                     | 1.5   | 22-31 August, 2012                   |
| Theoretical study                    | 15    | 1 September – 15 December, 2012      |
| Midterm control 1                    | 1     | 15 – 20 October, 2012                |
| Midterm control 2                    | 1     | 10-15 December, 2012                 |
| Final examinations / MRW Attestation | 2     | 17-29 December, 2012                 |
| Vacation                             | 3     | 31 December, 2012 – 19 January, 2013 |

| Spring semester                      | Weeks | Date                      |
|--------------------------------------|-------|---------------------------|
| Academic processes                   |       |                           |
| Theoretical study                    | 15    | 21 January – 4 May, 2013  |
| Midterm control 1                    | 1     | 4 – 9 March, 2013         |
| Midterm control 2                    | 1     | 29 April – 4 May, 2013    |
| Final examinations / MRW Attestation | 1     | 6 – 25 May, 2013          |
| Research practice                    | 4     | 27 May – 22 June, 2013    |
| Vacation                             | 9     | 24 June – 25 August, 2013 |

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|                                    |  | ECTS      | lect | Pract | lab | SWM | semester |
|------------------------------------|--|-----------|------|-------|-----|-----|----------|
| <b>Core Compulsory Module</b>      |  |           |      |       |     |     |          |
| FL 5101                            | Foreign language                                     | 3         | 0    | 3     | 0   | 3   | 1        |
| TMPG 5102                          | Theoretical and methodological problems of geography | 3         | 2    | 1     | 0   | 3   | 1        |
| EG 5103                            | Evolutionary geography                               | 3         | 2    | 1     | 0   | 3   | 2        |
| PMGIS o 5104                       | Project Management and GIS organizations             | 3         | 2    | 1     | 0   | 3   | 2        |
| GEM 5105                           | Geospatial environmental management                  | 3         | 2    | 1     | 0   | 3   | 1        |
|                                    |  | <b>15</b> |      |       |     |     |          |
| <b>Specialized elective module</b> |  |           |      |       |     |     |          |
| IGSS 5201                          | Introduction to Geoinformation systems and Science   | 2         | 1    | 1     | 0   | 2   | 1        |
| DADI 5202                          | Data Acquisition and Data Integration                | 3         | 2    | 1     | 0   | 3   | 1        |
| DGPM 5203                          | Spatial Analysis                                     | 3         | 1    | 0     | 2   | 3   | 2        |
| CG 5204                            | Cartography and geovisualisation                     | 2         | 1    | 0     | 1   | 2   | 2        |
| GDDA 5205                          | (Geo-) Databases and distributed Architecture        | 3         | 1    | 0     | 2   | 3   | 3        |
| RS 5206                            | Remote sensing                                       | 2         | 1    | 0     | 1   | 2   | 3        |
| WGISP A 5207                       | Web GIS Principles and applications                  | 3         | 1    | 0     | 2   | 3   | 2        |
|                                    |  | <b>18</b> |      |       |     |     |          |
| <b>Transferable Module 1-4</b>     |  |           |      |       |     |     |          |
|                                    | Mater's research work                                | <b>8</b>  |      |       |     |     | 1,2,3,4  |
| <b>Transferable Module 5-6</b>     |  |           |      |       |     |     |          |
|                                    | Pedagogical Practice                                 | 3         | 0    | 3     | 0   | 3   | 3        |
|                                    | Research Practice                                    | 3         |      |       |     |     | 2,4      |
|                                    | Complex examination                                  | 1         |      |       |     |     | 4        |
|                                    | Dissertation defence                                 | 3         |      |       |     |     | 4        |
|                                    |  | <b>10</b> |      |       |     |     |          |
| <b>Total</b>                       |  | <b>51</b> |      |       |     |     |          |