**Geoscientist Self-Assessment Form**

**Instructions for Applicants**

**General:**

1. You must use your WES course-by-course assessment to complete this form.
2. You must fill out only the self-assessment column C2. Do not enter any information in FOR INTERNAL USE ONLY or in column C3 or C4. If you do it will be deleted.
3. Enter the year, course name, credits and grade from the course-by-course analysis in your WES assessment.
4. EU stands for educational unit, which is equivalent to a typical single semester course in Canada (about 35-40 contact hours).
5. You can only use a course **one** time.
6. Once you have completed column C2, submit the Word document through the Contact Us page on the APEGS website.

**Program Syllabus (when required):**

1. Provide the program syllabus in a PDF document through the Contact Us page on the APEGS website.
2. If the course names in the program syllabus are different than those in your WES assessment you must provide an explanation of how they correlate in the program syllabus column of the form.
3. Use the page number of the PDF document of the program syllabus (not the original page number).

***By submitting this self-assessment, I declare that I have read and followed the instructions and that this self-assessment is accurate and complete, to the best of my knowledge and ability, and that I have provided all the relevant information that I have available to me. I understand that if information is incorrect or missing, that it may delay my application and may result in the assignment of examinations to satisfy any academic deficiencies.***

**For a link to the** [**Geoscience Knowledge and Experience Requirements for Professional Registration in Canada**](https://www.apegs.ca/Portal/Sites-Management/FileDownload/DataDownload/771/GKE_CCPG%20Requirements%20Booklet/pdf/1/1033) **(GKE) please see the APEGS website.**

**Self-Assessment Form –Geophysics**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Applicant Information:** | **Last Name, First Name** | | | |
|  | | | |
| **APEGS File #** |  | | | |
| **Institution Information** | | | | |
| **Credential** | **Awarded By** | **Major/Specialization** | **Year** | **Country** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

Use the information provided on the WES assessment to complete this information

**SELF-ASSESSMENT – FOR APPLICANT TO COMPLETE**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **C1** | **C2**  **Self-Assessment (by applicant)** | | **C3**  **for Staff only** | **C4**  **for ARC only** |
| **Subject Descriptor** | **WES assessment: year, course name, credits and grade.** | **Program Syllabus: page number, course name** | **Preliminary Review** | **Final Review** |
| 1A Compulsory Foundation Science: 3 EUs required, one in each subject | | | | |
| Chemistry |  |  |  |  |
| Mathematics |  |  |  |  |
| Physics |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1B Additional Foundation Science: 6 EUs required, no more than 2 in any one subject | | | | |
| Biology |  |  |  |  |
| Chemistry |  |  |  |  |
| Computer Programming |  |  |  |  |
| Mathematics |  |  |  |  |
| Physics |  |  |  |  |
| Statistics |  |  |  |  |
| 2A Compulsory Foundation Geoscience: 1 EU in each subject required | | | | |
| Field Techniques |  |  |  |  |
| Mineralogy and Petrology |  |  |  |  |
| Sedimentation and Stratigraphy |  |  |  |  |
| Structural Geology |  |  |  |  |
| Group 2B Additional Foundation Geoscience: 5 EUs required, one from each sub-group (outlined in bold) | | | | |
| [Digital](file:///C:\Documents%20and%20Settings\KateM.APEGSVR\Local%20Settings\Temporary%20Internet%20Files\Content.MSO\1D737928.xls#Descriptors!D7) Signal Processing |  |  |  |  |
| Global Geophysics/Physics of the Earth |  |  |  |  |
| [Seismology/Seismic](file:///C:\Documents%20and%20Settings\KateM.APEGSVR\Local%20Settings\Temporary%20Internet%20Files\Content.MSO\1D737928.xls#Descriptors!D15) Methods |  |  |  |  |
| Exploration Geophysics |  |  |  |  |
| [Radiometrics/Gravity](file:///C:\Documents%20and%20Settings\KateM.APEGSVR\Local%20Settings\Temporary%20Internet%20Files\Content.MSO\1D737928.xls#Descriptors!D20) & Magnetics |  |  |  |  |
| [Electrical](file:///C:\Documents%20and%20Settings\KateM.APEGSVR\Local%20Settings\Temporary%20Internet%20Files\Content.MSO\1D737928.xls#Descriptors!D22) and Electromagnetic Methods |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **2C Other Geoscience/Science:**  minimum total 9 EUs, must be at a second level or higher and be acceptable for science credit toward a degree in science, applied science or engineering, **and** be relevant to geoscience. Extra subjects not used in 2A and 2B can be used in 2C. No one subject can be used to cover more than one requirement. The subjects are arranged in related groupings that could be used to satisfy the knowledge requirements for group (2C). Within each subject area are listed possible topics that could be used to satisfy the requirements. The list is not meant to be exhaustive, but is provided as guide to topics that could satisfy the geoscience knowledge requirements. If you have taken a subject that is not on the list, but that you feel would meet the requirements please feel free to add it under “other acceptable” at the end of the table. | | | | |
| **Applied Math/Physics** |  |  |  |  |
| Calculus |  |  |  |  |
| Computer-Controlled Instrumentation |  |  |  |  |
| Condensed Matter Physics |  |  |  |  |
| Continuum Mechanics |  |  |  |  |
| Digital Signal Processing |  |  |  |  |
| Electromagnetic Theory |  |  |  |  |
| Electronics for Scientists |  |  |  |  |
| Fluid Dynamics |  |  |  |  |
| Fluid Flow Porous Media |  |  |  |  |
| [Geostatistics](file:///C:\Documents%20and%20Settings\KateM.APEGSVR\Local%20Settings\Temporary%20Internet%20Files\Content.MSO\F07F7A5C.xls#Descriptors!D30) |  |  |  |  |
| Integral Transforms |  |  |  |  |
| Linear Algebra |  |  |  |  |
| Mathematical Physics |  |  |  |  |
| Numerical Methods/Computing |  |  |  |  |
| Optics |  |  |  |  |
| Partial Differential Equations |  |  |  |  |
| Signal Analysis |  |  |  |  |
| Vector and Tensor Analysis |  |  |  |  |
|  | | | | |
| **Communication** |  |  |  |  |
| Thesis |  |  |  |  |
| Technical Writing |  |  |  |  |
|  | | | | |
| **Earth & Planetary Geoscience** |  |  |  |  |
| Geomagnetism/Paleomagnetism |  |  |  |  |
| Global Geology |  |  |  |  |
| [Global Geophysics](file:///C:\Documents%20and%20Settings\KateM.APEGSVR\Local%20Settings\Temporary%20Internet%20Files\Content.MSO\F07F7A5C.xls#Descriptors!D12) |  |  |  |  |
|  | | | | |
| **Field Techniques** |  |  |  |  |
|  | | | | |
| **Fundamental Math/Physics** |  |  |  |  |
| Complex Analysis |  |  |  |  |
| Differential Equations |  |  |  |  |
| Electricity & Magnetism |  |  |  |  |
| Mechanics |  |  |  |  |
| Thermodynamics |  |  |  |  |
| Vibrations, Waves & Optics |  |  |  |  |
|  | | | | |
| **Geology** |  |  |  |  |
| [Geochemistry](file:///C:\Documents%20and%20Settings\KateM.APEGSVR\Local%20Settings\Temporary%20Internet%20Files\Content.MSO\F07F7A5C.xls#Descriptors!D7) |  |  |  |  |
| Petrology |  |  |  |  |
| [Igneous Petrology](file:///C:\Documents%20and%20Settings\KateM.APEGSVR\Local%20Settings\Temporary%20Internet%20Files\Content.MSO\F07F7A5C.xls#Descriptors!D15) |  |  |  |  |
| [Metamorphic Petrology](file:///C:\Documents%20and%20Settings\KateM.APEGSVR\Local%20Settings\Temporary%20Internet%20Files\Content.MSO\F07F7A5C.xls#Descriptors!D16) |  |  |  |  |
| Sedimentary Petrology |  |  |  |  |
| [Sedimentology](file:///C:\Documents%20and%20Settings\KateM.APEGSVR\Local%20Settings\Temporary%20Internet%20Files\Content.MSO\F07F7A5C.xls#Descriptors!D22) |  |  |  |  |
| Structural Geology/Tectonics |  |  |  |  |
| Selected Special Topics |  |  |  |  |
|  | | | | |
| **Geophysical Methods & Interpretation** |  |  |  |  |
| Analytical Methods |  |  |  |  |
| Marine Geophysics |  |  |  |  |
| Electrical and Electromagnetic Methods |  |  |  |  |
| Gravity & Magnetics |  |  |  |  |
| Seismology |  |  |  |  |
| Radiometrics |  |  |  |  |
| Rock Properties/Rock Physics |  |  |  |  |
| Seismic Interpretation |  |  |  |  |
|  | | | | |
| **Modern Physics** |  |  |  |  |
|  | | | | |
| **Near Surface Geoscience** |  |  |  |  |
| Air Photo/Land Sat Analysis |  |  |  |  |
| Environmental Geophysics |  |  |  |  |
| [Geomorphology](file:///C:\Documents%20and%20Settings\KateM.APEGSVR\Local%20Settings\Temporary%20Internet%20Files\Content.MSO\F07F7A5C.xls#Descriptors!D8) |  |  |  |  |
| [Geographic Information Systems](file:///C:\Documents%20and%20Settings\KateM.APEGSVR\Local%20Settings\Temporary%20Internet%20Files\Content.MSO\F07F7A5C.xls#Descriptors!C60) |  |  |  |  |
| [Glacial/Quaternary Geology Hydrogeology/Hydrology](file:///C:\Documents%20and%20Settings\KateM.APEGSVR\Local%20Settings\Temporary%20Internet%20Files\Content.MSO\F07F7A5C.xls#Descriptors!D11) |  |  |  |  |
| [Remote Sensing](file:///C:\Documents%20and%20Settings\KateM.APEGSVR\Local%20Settings\Temporary%20Internet%20Files\Content.MSO\F07F7A5C.xls#Descriptors!D18) |  |  |  |  |
|  | | | | |
| **Regional Geology** |  |  |  |  |
| Geology of Canada |  |  |  |  |
| Geology of N. America |  |  |  |  |
| |  | | --- | |  | | | | | |
| **Resource Geoscience** |  |  |  |  |
| Fluid Flow in Porous Media |  |  |  |  |
| [Hydrogeology/Hydrology](file:///C:\Documents%20and%20Settings\KateM.APEGSVR\Local%20Settings\Temporary%20Internet%20Files\Content.MSO\F07F7A5C.xls#Descriptors!D13) |  |  |  |  |
| Mineral Deposits Geology |  |  |  |  |
| Petroleum Geology |  |  |  |  |
| Reservoir Engineering |  |  |  |  |
| Well Log Analysis |  |  |  |  |