



PROGRAMS AND BIBLIOGRAPHY

| Subject | |
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| Code | Name |
| QG092 | Organic geochemistry |

| Vector |
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| OF:S-6 T:002 P:000 L:000 O:000 D:000 HS:002 SL:002 C:002 AV:N EX:S FM:75% |

| Pre requirement |
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| QO321 (Organic chemistry 1) |

| Summary |
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| Organic Geochemistry intersects different knowledge areas, such as organic chemistry, geochemistry, geology, paleontology, biology, and petrology in order to characterize oils and sediments. Gathering data from different biomarkers, it is possible to infer clues about the petroleum origin, its migration, maturation, and reservoirs conditions. |

| Program |
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| <ul style="list-style-type: none">-Petroleum overview.-Petroleum composition and origin.-Petroleum systems and petroleum geology.-Organic matter: accumulation and quality.-Petroleum biomarkers.-Geochemical analyses.-Geochemical parameters. |

| Bibliography |
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| <ol style="list-style-type: none">1. Tissot & Welte; "Petroleum Formation and Occurrence" Springer-Verlag, New York, 1984.2. Baker et al.; "Fundamentals of Petroleum", Mildred Gerding, 1986.3. Kenneth & Moldowan; "The Biomarker Guide -Interpreting molecular Fossil in Petroleum and Ancient Sediments ", Prentice Hall, New Jersey 2005. |

| Evaluation criteria |
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| First exam: 04/29, IQ05 Seminars: From 06/12 to 06/26, IQ05. Final exam: 07/16, IQ05 |
| For grading policy, see: Regimento Geral de Graduação, Seção I – Normas Gerais, Capítulo V – Da Avaliação do Aluno na Disciplina. Students are required to attend 75 % of the lectures. For further details, see: Regimento Geral de Graduação, capítulo VI, seção X, artigo 72. |