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The educational manual is constructed in accordance with the requirements of the credit technology program for bachelors enrolled in the specialty “Chemical Technology of Organic Substances”. The course is designed to study the basic concepts: theoretical bases of action of catalysts in petrochemistry and oil refining, the active centers of catalysts, types of the catalysts, the concepts of chemistry of catalytic refining processes, current trends of development of petrochemistry and oil refining. The educational manual also has a glossary that can help in mastering the basic terms used in the field of catalytic petrochemical industries. For better assimilation of educational material the questions to self-checking were added to each chapter.

The educational manual is intended for students, bachelors, masters and doctoral students specializing in the field of chemical technology of organic substances and chemicals, petrochemicals, catalysis and oil and gas business.