Course Description:	**Applied Reservoir Simulation**
Course Location	Hydrafact Limited, Edinburgh
Course Description	This course provides a full understanding of the concepts and equations in reservoir simulation. **Main course syllabus:** ➢ What's reservoir simulation ➢ Fundamental reservoir engineering concepts requirements for better understanding of reservoir simulation ➢ Fundamental mathematical concepts ➢ Fundamental equations for single phase flow ➢ Finite difference approximation to linear flow equations ➢ Well representation ➢ Solution of linear difference equations ➢ Numerical solution of single phase flow equations ➢ Multiphase flow simulation in reservoirs ➢ Practical aspects of reservoir simulation ➢ Relationships between numerical reservoir simulation and reservoir engineering
Audience	Process, Reservoir, Petroleum and Drilling Engineers
Prerequisites	Previous experience in process engineering or flow assurance issues, familiarity with computers and a basic understanding of chemistry, thermodynamics and general physics would be helpful.
Course Length	5 Days
Course Materials	Hard copies of slides and course supporting materials, including; references and other useful documents. A certificate will be provided by Hydrafact at the end of the course.
Course Contacts	Please email us at info@hydrafact.com