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Responsibility edited by Robert B. Jansen. Imprint New York : Van Nostrand Reinhold, c1988. ... Earthquake response analysis of concrete dams. Gravity dam

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design and analysis. Arch dam design and analysis. Concrete dam construction and foundation treatment. Concrete dam ...

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Advanced GeoServices' experienced dam safety engineers have developed a

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unique and common sense approach to help dam owners manage the risk, cost, and aesthetics for their dams. This technical approach can include, as appropriate, the following activities:

## **Dam Engineering — Advanced GeoServices Corp.**

The safety evaluation of 300 m high-

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level dams and power plants requires engineering experience, experimental tests and numerical tools. Therefore, as more advanced and practical bridges are being built, using computational mechanics in high dam engineering is of great significance. 2.

## **Dam Engineering - an overview |**

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## **ScienceDirect Topics**

The role of dam engineers has greatly changed over the past decades. Thanks to new technologies, the surveillance, monitoring, design and analysis tasks involved in this process have significantly improved.

## **Infrastructures | Special Issue :**

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## **Advances in Dam Engineering**

The course covers the basic in dam engineering for civil engineers, including planning and design of concrete and embankment dams, soil mechanics for dams and concrete technology for dams.

**Course - Planning and Design of Dams - TVM5115 - NTNU**

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In modern dam engineering, the choice

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of materials is usually between concrete, earthfill, and rockfill. Although in the past a number of dams were built of jointed masonry, this practice is now largely obsolete and has been supplanted by concrete. Concrete is used to build massive gravity dams, thin arch dams, and buttress dams.

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## **dam | Definition, Types, & Uses | Britannica**

B) Advanced Materials, Technologies in Dam Engineering C) Time Dependent Properties of Construction Materials for Dams D) Constitutive Modeling of Dam Materials E) Seismic Aspects and Earthquake Analysis F) Long-Term Behavior of Dams G) Uncertainty Issues

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in Dam Design H) Managing Risks and  
Reliability Analysis in Dam Engineering

## **5th ASIA-PACIFIC GROUP INTERNATIONAL SYMPOSIUM ON WATER & DAMS**

Due to the shortage of fresh water, the  
quality of stored water in reservoirs has  
become increasingly important. Thermal

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regime and salinity are factors that affect the quality of water reservoirs. These two parameters were studied in Mamloo Dam in Tehran province. This dam has recently started to be used as a source of drinking water for Tehran and thus its water quality is of increased ...

## **Simulation of Thermal Stratification**

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## **and Salinity Using ...**

Shawgar Karami currently is Ph.D. candidate at the Department of Mining Engineering, Amirkabir University of Technology. Shawgar does research in geostatistical modeling, simulation, and estimation.

**Shawgar KARAMI | Ph.D. Candidate |**

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## **Amirkabir University of ...**

The Advanced Certificate of Dam Engineering is a self paced online course covering the key areas of dams including aims/goals, types of dams, construction equipment, levees, uses for dams, need for dams, statistics, pros & cons, regulation & law, critics, economics, disasters and much more. All

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you need to know.

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The Seymareh Dam site is located 106 km southeast of the city of Ilam. The mean annual discharge rate of the Seymareh River is 109.5 m<sup>3</sup>/s.

Seymareh River is 417 km long and has

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a general slope of 3%. Seymareh Dam is one of the largest dams in Iran. The Seymareh Dam is a concrete double-curvature arch dam with a height of 180 m.

**Dr. SH T. - Official Site Supervisor -  
tehran construction ...**

- Embankment Dam Engineering

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- Embankment Dam Instrumentation and Monitoring
- Site Investigation and laboratory testing
- Numerical Modeling
- Geotechnical Earthquake Engineering
- Soil and Rock Slopes Stability
- Rock Mechanics and Tunneling
- International Code: USACE, USBR, ICOLD, ASCE

**Mansour Fadaei - Project Manager -**

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## **Abfan Consulting ...**

Latian dam located 27 km further from the site of constructing Mamlu dam was first built in 1968 to supply a part of Tehran's drinking water. The initial plan was to yearly reserve  $1/3$  drinking water and  $2/3$  for fields of Varamin plain. The exceeding number of Tehran's population made major changes on the

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