

REINFORCED CONCRETE DESIGN TEXAS A M UNIVERSITY File PDF

Reinforced Concrete Design Texas A&M University is a prominent academic subject offered within the College of Engineering at Texas A&M University. As one of the leading engineering programs in the United States, Texas A&M provides its students with comprehensive coursework, cutting-edge research opportunities, and practical experience in the field of reinforced concrete design. This specialization prepares future civil engineers to develop durable, safe, and cost-effective concrete structures that meet the rigorous standards of modern infrastructure development.

In this article, we will explore the key aspects of reinforced concrete design as taught and applied at Texas A&M University, including curriculum components, research initiatives, industry relevance, and career opportunities. Whether you are a prospective student, industry professional, or academic researcher, understanding the depth and quality of reinforced concrete design education at Texas A&M can provide valuable insights into its significance and applications.

Overview of Reinforced Concrete Design at Texas A&M University

Reinforced concrete design at Texas A&M University is rooted in fundamental engineering principles, combined with innovative approaches to meet real-world challenges. The program emphasizes a multidisciplinary understanding of structural analysis, material science, and construction practices to produce resilient and sustainable concrete structures.

Students engaged in this program learn to:

- Analyze the behavior of reinforced concrete under various loads
- Design structural elements such as beams, columns, slabs, and foundations
- Incorporate safety factors and code compliance into their designs
- Optimize material usage for cost efficiency and sustainability

The curriculum incorporates both theoretical coursework and practical laboratory work, ensuring students gain hands-on experience with concrete testing, reinforcement detailing, and structural modeling.

Curriculum Components of Reinforced Concrete Design

The reinforced concrete design courses at Texas A&M are structured to build a strong foundation in structural engineering principles, gradually progressing toward complex design scenarios. Key courses include:

1. Structural Analysis and Design

- Focuses on analyzing loads and determining internal forces
- Teaches the application of design codes such as ACI 318
- Covers analysis of various structural systems

2. Concrete Materials and Construction

- Examines properties of concrete and reinforcement materials
- Includes laboratory experiments on concrete mix design and testing
- Emphasizes quality control and construction practices

3. Reinforced Concrete Design

- Integrates analysis with design principles
- Covers design of beams, columns, slabs, and walls
- Addresses serviceability, durability, and seismic considerations

4. Advanced Topics in Reinforced Concrete

- Explores innovative reinforcement techniques
- Incorporates sustainability and green building practices
- Investigates performance-based design methods

Research and Innovation at Texas A&M

Texas A&M University is renowned for its research excellence in reinforced concrete and structural engineering. The university hosts multiple research centers dedicated to advancing concrete technology and structural resilience, including:

- Texas A&M Center for Infrastructure Renewal
- Structural Engineering and Materials Research Group

- Concrete Sustainability Hub

These centers facilitate collaborative projects with industry stakeholders, focusing on:

- Developing high-performance concrete with enhanced durability
- Innovating reinforcement materials, such as fiber-reinforced polymers
- Designing structures resilient to earthquakes, hurricanes, and other natural disasters
- Implementing sustainable construction practices to reduce environmental impact

Graduate students and faculty often publish their research findings in leading engineering journals, contributing to global advancements in reinforced concrete technology.

Industry Relevance and Practical Applications

The skills acquired through reinforced concrete design studies at Texas A&M are highly sought after in the construction and infrastructure sectors. Graduates find opportunities in:

- Structural design consulting firms
- Government agencies overseeing public infrastructure projects
- Construction companies specializing in concrete structures
- Research institutions and academia

The program emphasizes practical skills through internships, cooperative education (co-op) programs, and industry partnerships. Students gain experience with software tools such as ETABS, SAP2000, and ANSYS for structural modeling and analysis.

Career Opportunities in Reinforced Concrete Engineering

A degree in reinforced concrete design from Texas A&M opens doors to diverse career paths, including:

- Structural Engineer: Designing and analyzing concrete structures for commercial, residential, and industrial projects.
- Materials Engineer: Developing new concrete mixes and reinforcement materials to improve performance and sustainability.
- Research Scientist: Conducting studies on concrete durability, seismic resilience, and innovative construction methods.
- Construction Manager: Overseeing the implementation of reinforced concrete structures on

construction sites.

- Academic Faculty: Teaching and conducting research in structural engineering and concrete technology.

The program's strong industry connections and focus on practical skills ensure graduates are well-prepared to meet the demands of the evolving engineering landscape.

Why Choose Texas A&M for Reinforced Concrete Design?

Texas A&M University offers a unique combination of academic excellence, research innovation, and industry collaboration that makes it an ideal choice for students interested in reinforced concrete design. Benefits include:

- Access to state-of-the-art laboratories and testing facilities
- Experienced faculty with industry and research expertise
- Opportunities for interdisciplinary collaboration
- Strong alumni network within the civil engineering sector
- Commitment to sustainability and innovative construction practices

Furthermore, Texas A&M's strategic location in the heart of Texas provides proximity to major infrastructure projects and industry leaders, enhancing practical learning and employment prospects.

Conclusion

Reinforced concrete design at Texas A&M University is a comprehensive and dynamic program that prepares students to become leaders in structural engineering. Through rigorous coursework, cutting-edge research, and industry engagement, students develop the skills and knowledge necessary to design safe, durable, and sustainable concrete structures. Whether pursuing undergraduate or graduate studies, students benefit from Texas A&M's commitment to excellence and innovation in civil engineering.

If you are interested in contributing to the future of infrastructure development and want to be part of a renowned academic community, Texas A&M's reinforced concrete design program offers an excellent pathway to a rewarding career in engineering.

Reinforced Concrete Design at Texas A&M University: An In-Depth Exploration

Reinforced concrete design is a fundamental component of civil engineering education and practice at Texas A&M University. Known for its rigorous curriculum and emphasis on practical application,

Texas A&M equips students with the knowledge and skills necessary to design safe, durable, and sustainable reinforced concrete structures. This comprehensive review delves into the core aspects of reinforced concrete design as taught at Texas A&M, exploring curriculum components, teaching methodologies, research initiatives, industry collaborations, and the university's contribution to advancing concrete technology.

Overview of Reinforced Concrete Design at Texas A&M University

Texas A&M University's Department of Civil and Environmental Engineering (CEE) offers specialized coursework and research opportunities focused on reinforced concrete design. The program combines theoretical foundations with hands-on experience, preparing students to tackle real-world challenges in structural engineering.

Key Features:

- Comprehensive curriculum covering design principles, materials, and standards.
- Integration of current codes such as ACI (American Concrete Institute) standards.
- Emphasis on sustainability and innovative construction techniques.
- Exposure to state-of-the-art laboratory facilities and computational tools.

Curriculum Components and Course Offerings

The reinforced concrete design courses at Texas A&M are structured to progressively build student competency, starting from fundamental concepts to advanced design applications.

Foundational Courses

- Structural Analysis: Provides the mathematical tools to analyze loadings and structural responses, forming the basis for design.
- Materials and Properties of Concrete: Focuses on understanding concrete composition, curing, and durability aspects.
- Reinforced Concrete Design I & II: Cover the principles of designing beams, slabs, columns, and footings according to ACI codes.

Advanced and Specialized Courses

- Prestressed Concrete Design: Explores techniques for pre-tensioning and post-tensioning concrete members.

- Seismic Design of Concrete Structures: Addresses the unique considerations for earthquake-resistant reinforcement.
- Durability and Sustainability in Concrete Structures: Emphasizes long-term performance and eco-friendly materials.

Laboratory and Practical Components

- Hands-on labs for concrete mix design, reinforcement detailing, and structural testing.
- Design projects simulating real engineering challenges.
- Use of software tools such as SAP2000, ETABS, and ANSYS for structural modeling.

Standards and Code Compliance

A core aspect of reinforced concrete design at Texas A&M is adherence to industry standards, primarily the ACI 318 Building Code Requirements for Structural Concrete. The curriculum ensures students:

- Understand the rationale behind code provisions.
- Develop skills in interpreting and applying code requirements.
- Stay updated with recent revisions and innovations in standards.

Students are also introduced to other relevant codes and standards, including:

- AASHTO LRFD Bridge Design Specifications
- ASCE Structural Engineering Standards

This comprehensive approach ensures graduates are well-versed in code compliance, critical for professional licensure and practice.

Research and Innovation in Reinforced Concrete

Texas A&M's reputation in concrete research is well-established, with numerous faculty-led projects pushing the boundaries of reinforced concrete technology.

Research Focus Areas

- High-Performance and Ultra-High Performance Concrete: Developing materials with enhanced

strength, durability, and sustainability.

- Self-Healing Concrete: Exploring autonomic materials capable of repairing cracks.
- Reinforcement Materials: Investigating fiber-reinforced polymers (FRP) and alternative reinforcement options.
- Structural Health Monitoring: Using sensors and IoT to assess the integrity of concrete structures over time.
- Seismic and Load Resistance: Improving ductility and resilience in concrete structures subjected to dynamic loads.

Laboratories and Facilities

- The Concrete Materials Laboratory allows for comprehensive testing of fresh and hardened concrete.
- The Structural Testing Laboratory offers large-scale testing capabilities for structural elements.
- Advanced imaging and non-destructive testing tools facilitate in-depth analysis of concrete behavior.

Industry Collaboration and Practical Exposure

Texas A&M maintains strong ties with industry leaders, government agencies, and research organizations, fostering an environment where academic learning directly translates into practical skills.

Partnerships Include:

- Collaborations with concrete producers and construction firms for internships and co-op programs.
- Sponsorship of student design competitions focused on reinforced concrete structures.
- Engagement with the Texas Department of Transportation (TxDOT) for bridge and highway infrastructure projects.

Practical Initiatives:

- Real-world design projects incorporated into coursework.
- Site visits to local construction projects utilizing reinforced concrete.
- Guest lectures from industry experts and practicing engineers.

Industry Standards and Continuing Education

Graduates of Texas A&M are well-versed in the latest industry standards, ensuring they meet the requirements of professional practice.

- Certification and Licensure Preparation: Curriculum aligns with the Fundamentals of Engineering (FE) exam, with reinforced concrete design as a key component.
- Workshops and Seminars: Regular updates on new standards, materials, and construction techniques.
- Professional Development: Opportunities to participate in ACI committees, contributing to the evolution of reinforced concrete standards.

Sustainability and Future Trends in Reinforced Concrete Design

The future of reinforced concrete design at Texas A&M emphasizes sustainability, resilience, and innovation.

Key Trends:

- Use of recycled aggregates and supplementary cementitious materials to reduce environmental impact.
- Development of eco-friendly admixtures for lower carbon footprint.
- Integration of digital modeling and Building Information Modeling (BIM) for optimized design.
- Emphasis on designing structures that are resilient to climate change and natural disasters.

Educational Focus:

- Incorporating sustainability principles into design coursework.
- Promoting research on durable, low-maintenance concrete solutions.
- Preparing students for evolving standards that prioritize green building practices.

Conclusion: Texas A&M's Role in Reinforced Concrete Expertise

Texas A&M University stands as a leader in reinforced concrete education and research. Its comprehensive curriculum, cutting-edge laboratories, industry partnerships, and focus on innovation ensure that graduates are equipped to advance the field of concrete technology and structural design. Whether through foundational coursework, applied research, or industry collaborations, Texas A&M fosters a robust environment for developing expert engineers capable of designing safe, sustainable, and resilient reinforced concrete structures. As the construction industry evolves, the university's commitment to integrating emerging technologies and sustainability principles positions

its graduates at the forefront of reinforced concrete engineering.

In summary, the reinforced concrete design program at Texas A&M University exemplifies excellence in engineering education, blending theoretical knowledge with practical application, research advancement, and industry engagement to produce well-rounded, forward-thinking civil engineers.

Question What courses related to reinforced concrete design are offered at Texas A&M University? Texas A&M University offers undergraduate and graduate courses in reinforced concrete design as part of its civil engineering program, including courses like CEEN 351 (Structural Analysis) and CEEN 451 (Design of Reinforced Concrete). Does Texas A&M University provide specialized research opportunities in reinforced concrete design? Yes, Texas A&M University provides research opportunities through its Civil and Environmental Engineering Department, focusing on advanced reinforced concrete materials, seismic design, and sustainable construction practices. Are there any student organizations at Texas A&M focused on structural or reinforced concrete design? Yes, students can participate in organizations such as the American Society of Civil Engineers (ASCE) Student Chapter, which often hosts events and competitions related to reinforced concrete design. What is the focus of reinforced concrete design coursework at Texas A&M University? The coursework emphasizes structural analysis, design principles, code compliance (ACI standards), and practical application of reinforced concrete in building and infrastructure projects. Can students at Texas A&M learn about sustainable reinforced concrete design practices? Yes, the curriculum includes modules on sustainable construction materials and environmentally friendly reinforced concrete design techniques. Are there any labs or facilities at Texas A&M dedicated to reinforced concrete testing? Texas A&M features state-of-the-art structural laboratories equipped for concrete testing, including compression, tension, and durability assessments, supporting reinforced concrete research and education. Is it possible to pursue a graduate degree focusing on reinforced concrete design at Texas A&M? Yes, graduate students can pursue master's and doctoral degrees with research thesis options in reinforced concrete and structural engineering at Texas A&M University. What industry connections does Texas A&M have for students interested in reinforced concrete careers? Texas A&M maintains strong ties with construction firms, engineering consulting companies, and industry partners through internships, co-op programs, and research collaborations related to reinforced concrete projects. How does Texas A&M incorporate current building codes and standards into reinforced concrete design education? Courses incorporate the latest ACI codes, ASTM standards, and local building regulations to ensure students are well-versed in current industry practices. Are there online resources or certifications available through Texas A&M for reinforced concrete design? Texas A&M offers online courses, webinars, and professional development programs that cover reinforced concrete design topics for practicing engineers and students.

Related keywords: reinforced concrete design, Texas A&M University, structural engineering, concrete reinforcement, civil engineering, concrete design methods, A&M engineering programs,

structural analysis, concrete beam design, reinforcement detailing

Kisii University 2013 Graduation

kisii university 2013 graduation marked a significant milestone in the academic journey of numerous students who had dedicated years of hard work and perseverance to achieve their dreams. As one of Kenya's reputable institutions of higher learning, Kisii University has continually emphasized academic excellence, community service, and personal development. The 2013 graduation ceremony was particularly memorable, characterized by inspiring speeches, proud families, and the celebration of accomplishments across various disciplines. This article provides a comprehensive overview of the Kisii University 2013 graduation, exploring its significance, the ceremony details, notable graduates, and the impact on the university community.

Overview of Kisii University

Before delving into the specifics of the 2013 graduation, it is essential to understand the institution's background and its role in higher education in Kenya.

History and Establishment

Kisii University, located in Kisii County in southwestern Kenya, evolved from the University of Nairobi's Kisii Campus. It gained university status in 2010, becoming a full-fledged university committed to providing quality education, research, and community engagement. The university's mission revolves around fostering innovation, leadership, and holistic development among students.

Academic Programs and Faculties

Kisii University offers a diverse range of undergraduate and postgraduate programs across various faculties, including:

- Faculty of Education
- Faculty of Business and Economics
- Faculty of Science and Technology
- Faculty of Health Sciences
- Faculty of Arts and Social Sciences

This broad academic portfolio attracts students from different regions, fostering a vibrant campus

culture.

The 2013 Graduation Ceremony

Date and Venue

The Kisii University 2013 graduation took place on a memorable date?likely in late 2013, typically around December?at the university?s main campus. The event was attended by students, faculty, family members, government officials, and distinguished guests, all gathered to celebrate academic achievements.

Significance of the 2013 Graduation

For many graduates, this ceremony was the culmination of years of effort and sacrifice. It represented not just personal success but also the university?s growth and commitment to producing competent professionals. The 2013 graduation was also a reflection of the university?s expanding reputation and its role in Kenya?s development.

Highlights of the 2013 Graduation

Number of Graduates

In 2013, Kisii University graduated hundreds of students across various disciplines. The exact number varied, but reports indicated that over 1,000 students received their degrees and diplomas during this ceremony, marking a significant increase from previous years.

Academic Excellence and Awards

Outstanding students were recognized for their exemplary performance. Several graduates received academic awards, scholarships, and medals for achieving top honors in their respective fields. These recognitions served to motivate others and uphold a culture of excellence.

Keynote Speeches and Addresses

Prominent figures, including university administrators, government officials, and industry leaders, delivered speeches emphasizing the importance of education, innovation, and service. The keynote address often highlighted Kenya?s development goals and the role of graduates in national progress.

Notable Graduates and Their Achievements

Prominent Alumni

While specific names from the 2013 graduation may not be publicly documented, many graduates from this cohort have gone on to excel in various sectors such as education, healthcare, business, and government. Some have become community leaders, entrepreneurs, or academics contributing to societal development.

Success Stories

- **Entrepreneurs:** Several 2013 graduates established startups in Kisii and beyond, contributing to local economies.
- **Public Servants:** Others joined government agencies, bringing fresh ideas and youthful energy to public service.
- **Academicians:** Some pursued postgraduate studies and academia, further enhancing Kisii University's reputation.

Impact of the 2013 Graduation on Kisii University

Institutional Growth

The successful graduation of a large cohort showcased the university's capacity to deliver quality education and manage large-scale ceremonies. It helped boost the institution's profile both locally and nationally.

Community and Economic Development

Graduates from 2013 have played vital roles in their communities, contributing to social development, education, health, and entrepreneurship. Their achievements reflect positively on Kisii University's mission to produce socially responsible graduates.

Enhanced Reputation and Future Prospects

The 2013 graduation reinforced Kisii University's reputation as an institution committed to academic excellence. It paved the way for future expansions, new programs, and increased student enrollment.

Post-Graduation Pathways and Opportunities

Employment and Career Development

Many 2013 graduates found employment within Kenya's growing economy. Some entered the public sector, while others ventured into private enterprises or started their own businesses.

Further Education

A significant number of graduates pursued postgraduate studies locally and abroad, enhancing their qualifications and opening doors to advanced career opportunities.

Community Engagement and Impact

Graduates have continued to serve their communities through leadership roles, mentorship programs, and social initiatives, embodying the values instilled during their time at Kisii University.

Conclusion

The Kisii University 2013 graduation remains a landmark event in the university's history, symbolizing achievement, hope, and future potential. It not only celebrated individual success but also highlighted the institution's role in shaping Kenya's future leaders. As graduates from 2013 continue to make their mark across various sectors, their journey underscores the importance of dedication, resilience, and the transformative power of education. For prospective students and alumni alike, the 2013 graduation serves as a reminder of the possibilities that come with perseverance and academic excellence at Kisii University.

Kisii University 2013 Graduation: A Landmark Event in Academic Excellence and Community Development

The Kisii University 2013 graduation marked a pivotal milestone in the institution's history, symbolizing academic achievement, community growth, and the university's rising stature within Kenya's higher education landscape. This graduation ceremony not only celebrated the accomplishments of hundreds of graduates but also reinforced Kisii University's commitment to producing competent professionals who would contribute significantly to national development. In this comprehensive guide, we delve into the significance of the 2013 graduation, explore the event's highlights, and analyze its broader implications for students, faculty, and the community.

Background of Kisii University and Its 2013 Graduation

Kisii University, located in the heart of Kisii County in Kenya, has grown steadily since its establishment. Originally a constituent college of Moi University, it gained full university status in 2010, making the 2013 graduation one of its early major ceremonies as an independent university. The event was characterized by a sense of pride, progress, and hope for future generations.

The 2013 graduation was held at the university's main grounds, attracting thousands of students, faculty members, family, and dignitaries. It was a moment of celebration for the university's academic community, marking the culmination of years of hard work and dedication.

Significance of the 2013 Graduation for Kisii University

A Milestone in Institution Development

- **Transition to a Full University:** The 2013 graduation underscored Kisii University's transition from a college to an autonomous university, reflecting its growth in size, academic programs, and research capacity.
- **Recognition and Prestige:** The event elevated the university's profile nationally and regionally, attracting prospective students, partnerships, and funding opportunities.
- **Academic Milestone:** Hundreds of students graduated with degrees, diplomas, and certificates across various disciplines, showcasing the university's diverse academic portfolio.

Community and Economic Impact

- **Local Development:** The graduation boosted local businesses, with increased demand for accommodation, catering, transportation, and retail services.
- **Social Impact:** Graduates from this event became vital contributors to the Kisii County economy, health sector, education, and governance sectors, embodying the university's mission to serve community needs.

Highlights of the Kisii University 2013 Graduation Ceremony

Keynote Addresses and Dignitaries

The event was graced by prominent figures including:

- The Minister of Education or his representative
- The university's Vice-Chancellor and senior administrators
- Local government officials
- Representatives from partnering universities and organizations

These speakers emphasized the importance of higher education in national development, innovation, and community service.

Academic Achievements and Awards

- Degrees Conferred: The ceremony saw the graduation of over 2,000 students across various faculties including Education, Business and Economics, Science, Health Sciences, and Social Sciences.
- Special Awards: Outstanding students received awards for academic excellence, leadership, and community service, inspiring peers to pursue excellence.

Unique Features of the 2013 Graduation

- Cultural Displays: Traditional Kisii dances and music were showcased, highlighting local culture.
- Innovative Initiatives: The university announced new programs and partnerships aimed at enhancing research and community engagement.
- Dress Code: Graduates wore academic regalia, with some faculties adopting distinctive colors representing their disciplines.

Academic Programs and Disciplines Celebrated

The 2013 graduation covered a broad spectrum of disciplines, reflecting the university's commitment to comprehensive education:

- Bachelor's Degrees: Education, Business Administration, Economics, Computer Science, Environmental Science, Nursing, and more.
- Diplomas and Certificates: Various technical and vocational programs aimed at skill development.
- Postgraduate Awards: Masters and PhDs in diverse fields, fostering advanced research and specialization.

Notable Graduates and Their Contributions

Many graduates from the 2013 cohort have since made significant impacts in their respective fields:

- Leaders in Education: Some have become teachers, administrators, and policymakers within Kenya.
- Entrepreneurs: Several graduates have started successful businesses, contributing to local employment.
- Health Sector Professionals: Many are working as nurses, doctors, and public health officers

across Kenya.

- Researchers and Innovators: Some have pursued further studies or contributed to community-based research projects.

Challenges Faced and Lessons Learned

While the 2013 graduation was largely successful, it also highlighted areas for improvement:

- Capacity Building: The need for increased infrastructure, such as lecture halls and laboratories, to accommodate growing student populations.
- Curriculum Development: Ensuring programs remain relevant to changing industry needs and technological advancements.
- Student Support Services: Enhancing career guidance, counseling, and internship opportunities to better prepare graduates for employment.

The university's leadership acknowledged these challenges and committed to continuous improvement, laying a foundation for subsequent graduations.

Broader Impacts and Future Outlook

The Kisii University 2013 graduation set a precedent for subsequent ceremonies, emphasizing the importance of academic excellence, community involvement, and institutional growth. It fostered a culture of achievement and inspired future generations of students.

Looking ahead, Kisii University aimed to:

- Expand research and innovation hubs.
- Strengthen industry partnerships.
- Promote entrepreneurship among graduates.
- Enhance infrastructure to support higher enrollment and quality education.

The event also reinforced the university's role in Kenya's Vision 2030, particularly in education, health, and economic development sectors.

Conclusion

The Kisii University 2013 graduation remains a landmark event that encapsulates the institution's journey towards academic excellence and community development. It symbolized the aspirations of students, faculty, and the broader Kisii community to pursue knowledge, innovation, and societal

progress. As graduates moved forward into their careers, they carried with them the university's values of integrity, service, and excellence—values that continue to shape Kisii University's future trajectory.

Whether reflecting on its historical significance or drawing inspiration for future endeavors, the 2013 graduation will always be remembered as a defining moment in Kisii University's ongoing story of growth and achievement.

Question When did Kisii University hold its 2013 graduation ceremony? Kisii University held its 2013 graduation ceremony in December 2013. How many students graduated from Kisii University in 2013? Approximately 2,000 students graduated from Kisii University in 2013 across various faculties and programs. Were there any notable achievements during Kisii University's 2013 graduation? Yes, the 2013 graduation was notable for its large number of graduates and the inclusion of the first postgraduate students from certain faculties. Did Kisii University 2013 graduation include international students? Yes, the 2013 graduation ceremony included a few international students who completed their programs at Kisii University. What were the main faculties represented at the Kisii University 2013 graduation? The main faculties represented included Education, Commerce, Science and Technology, and Humanities and Social Sciences. Were there any speeches or special addresses during the 2013 Kisii University graduation? Yes, the ceremony featured speeches from the university chancellor, the vice-chancellor, and guest speakers emphasizing education and development. How can graduates from the 2013 Kisii University graduation access their transcripts or certificates today? Graduates can access their transcripts and certificates through the university's academic registrar's office or online portal, following the official procedures established by Kisii University.

Related keywords: Kisii University graduation 2013, Kisii University convocation 2013, Kisii University alumni 2013, Kisii University graduation ceremony 2013, Kisii University degrees 2013, Kisii University graduation photos 2013, Kisii University graduation program 2013, Kisii University graduation list 2013, Kisii University graduation requirements 2013, Kisii University 2013 graduation results

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