

Training Course on Grain, Oil and Food Processing Technology for Developing Countries

Program name	Training Course on Grain, Oil and Food Processing Technology for Developing Countries		
Organized by	Henan University of Technology		
Time	2026-11-04 -- 2026-11-24	Language used	English
Countries invited	For government officials, technical professionals, and enterprise practitioners in the field of grain, oil, and food processing from developing countries.		
Planned number of participants	25		
Requirements for the Participants	Age	Under 50 years old for participants at the director-general level; under 45 years old for participants at or below the division director level.	
	Health condition	In good health, with a health certificate or medical examination form issued by a local public hospital; free from diseases prohibited for entry into China under relevant laws and regulations; free from serious chronic diseases such as severe hypertension, cardiovascular and cerebrovascular diseases, and diabetes; free from mental disorders or infectious diseases that may pose a significant risk to public health; not in the postoperative recovery period following major surgery or in the acute phase of illness; without severe physical disabilities; not pregnant.	
	Language competence	English proficiency in listening, speaking, reading, and writing sufficient to meet the requirements of the training.	
	others	Participants are not permitted to bring spouses or relatives during the training in China.	
Venue	Zhengzhou City, Henan Province	Weather conditions	2°C~19°C
Cities to be visited	Yangzhou City, Jiangsu Province Kaifeng City, Henan Province	Weather conditions	Yangzhou City:2°C~19°C Kaifeng City:2°C~19°C
Remarks	1. Please prepare discussion materials related to the project theme in advance. 2. Please bring formal attire, traditional ethnic attire, or work uniforms for official events. 3. Please bring a small amount of commonly used medications. 4. Computers will not be provided by the Chinese side; please bring your own if needed. 5. In principle, personal requests to modify international flight tickets for arrival in and departure from China are not permitted. If necessary, please contact the Economic and Commercial Office of the Chinese Embassy in your country to process ticket changes in accordance with official procedures. 6. If you are unable to depart on time due to special circumstances, or if there is a flight delay during transit, please promptly contact the Economic and Commercial Office or the project coordinator of the organizer and provide updated flight information to facilitate airport pick-up arrangements. 7. During transit, please confirm in advance whether your luggage needs to be rechecked to avoid loss. 8. After arriving at your destination and collecting your luggage, please proceed to the domestic arrivals exit and wait patiently. Staff will meet you holding a sign displaying the organizer's name and the project name. If you have waited for more than 15 minutes, please contact the project coordinator of the organizer. 9. It is recommended to download and register the WeChat app in advance.		

	10. During the training period, participants are required to adhere to the class schedule and training discipline. Attendance and academic records will serve as the basis for issuing the certificate of completion. 11. Participants shall comply with the laws and regulations of China and respect Chinese culture and customs.	
Contact information of the organizer	Contact person for the program	Mr.Si Tianlei
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About the Organizer	Henan University of Technology, located in Zhengzhou, Henan Province, is a multidisciplinary institution with a primary focus on engineering. It encompasses nine major academic fields including engineering, science, economics, and management. The university traces its origins to 1956, founded upon the merger of its predecessors, the Central Grain Cadres School and the Zhengzhou Machine Manufacturing School. The Central Grain Cadres School, established in Beijing, was the first grain-focused institution in New China. It relocated to Zhengzhou in 1960 and underwent successive transformations into Zhengzhou Grain College and Zhengzhou Engineering College, operating under several national ministries including the State Food Department, the Ministry of Commerce and the Ministry of Domestic Trade. Zhengzhou Machinery Manufacturing School was successively renamed Zhengzhou Mechanical College and Zhengzhou Industrial College, and was successively under the jurisdiction of the First Ministry of Machinery Industry, the Ministry of Machinery and Electronics, and the Ministry of Machinery. Both institutions were transferred to the administration of Henan Province in 1998. Their formal merger in 2004, with the approval of the Ministry of Education, established the present-day Henan University of Technology. In 2010, it became a university jointly built by the People's Government of Henan Province and the State Administration of Grain (now the National Food and Strategic Reserves Administration). In 2012, it was selected into the "Basic Capacity Building Project for Higher Education Institutions in Central and Western China" by the Ministry of Education. In 2013, it was among the first batch of universities to be included in the "2011 Plan" as the second unit. In 2020, it was selected as a characteristic backbone university in Henan Province. In 2021, it was selected as a university for the "Double First-Class" initiative in Henan Province. In 2022, it was included in the "Priority Development Plan for University Disciplines" by the Ministry of Education. The university implements a "Talent-Strong University" strategy. It currently employs 2,115 full-time teachers, including 1,044 with senior professional titles and 1,302 holding doctoral degrees. The faculty includes 1,193 master's supervisors and 196 doctoral supervisors. It has attracted 361 high-level talents, such as academicians, Changjiang Scholars, recipients of the National Science Fund for Distinguished Young Scholars, national candidates for the "Thousand Talents Program", national teaching masters under the "Ten Thousand Talents Program", experts receiving special government allowances, New Century Excellent Talents from the Ministry of Education, and Central Plains Scholars. There are 30 provincial-level or higher teaching and research teams. There is a group of experts and professors holding positions in the International Food and New Materials Science and Technology Organization and the International Organization for Standardization. Has held the position of president or vice president in more than ten secondary academic organizations such as the China Cereals,	

Oils and Foodstuffs Association, the China Grain Industry Association, the China Grain Engineering Construction Committee, the China Grain Economics Society, the National Abrasives and Grinding Tools Standardization Technical Committee, the China Heat Treatment First-Class Society, and the Organic Chemistry and Phosphorus Chemistry Professional Committee of the Chinese Chemical Society. They are dedicated to teaching and nurturing students in their respective teaching positions and professional fields, and are truly exemplary.

The university has long been committed to fundamental theoretical and engineering research in post-harvest grain science, constructing a complete disciplinary system integrating storage, transportation, processing, nutrition, equipment, information, and management. It hosts the nation's most comprehensive grain and food discipline cluster and a robust super-hard materials discipline cluster. It is China's only university focused intently on building disciplines for post-harvest grain security. The university has established 3 postdoctoral research stations. It offers 5 first-level doctoral degree programs, 24 first-level master's degree programs, 19 master's professional degree categories, and hosts 32 Henan Provincial first-level key disciplines. Five disciplines—Agricultural Sciences, Engineering, Chemistry, Materials Science, and Biology & Biochemistry—rank within the top 1% globally according to Essential Science Indicators. Key developments include the selection of its "Postharvest Grain Safety and Processing" discipline cluster as one of Henan's first batch of superior and characteristic discipline construction projects in 2015. In 2020, Food Science and Engineering, Mechanical Engineering, and Civil Engineering were approved as provincial characteristic key construction disciplines. In 2022, the "Artificial Intelligence and Smart Grain" discipline cluster was listed for cultivation as a provincial urgently-needed characteristic key discipline group. Notably, the "Food Science and Engineering" discipline, a cornerstone of Henan's "Double First-Class" initiative, achieved excellent results in the latest national discipline assessment and was selected as a priority development discipline by the Ministry of Education.

Adhering to an open education strategy, the university has established friendly cooperative relations with over 70 internationally renowned universities and research institutions. It emphasizes international development for faculty and students through programs like the Young Backbone Teacher Overseas Program and partnerships with the China Scholarship Council. Currently, 5 overseas academicians, over 60 international faculty, and 23 foreign postdoctoral researchers are engaged in teaching and research. Collaboration exists with top institutions such as the University of Cambridge, University of Reading, Politecnico di Torino, and University of Manitoba, offering various student exchange, joint training, and research programs with full support for international study.

Since 2008, the university has been engaged in foreign aid training programs and is the only institution in Henan Province authorized to implement China's foreign aid training projects. In January 2020, under the guidance of the Henan Provincial Department of Commerce, the Foreign Affairs Office of the CPC Henan Provincial Committee, and the Henan Provincial Department of Education, the university officially established the "Henan Provincial Foreign Aid Training Center." This initiative has further integrated and leveraged the university's strengths in foreign aid training, promoted the implementation of the Belt and Road Initiative, and contributed to exploring new models for high-level planning and high-quality development of foreign aid training in Henan Province.

As of 2025, Henan University of Technology has successfully undertaken 112 foreign aid training programs commissioned by the Ministry of Commerce of the People's Republic of China (MOFCOM), training approximately 3,000 officials and technical personnel from 122 countries across Asia, Africa, Europe, the Americas, and Oceania. Among these, 52 programs have focused on grain, agriculture, and food engineering technologies, covering 103 beneficiary countries and training a total of 1,244 participants. In 2023, the university was officially designated as one of the first "National Grain and Material Reserves Education and Training Bases" by the National Food and Strategic Reserves Administration. Since 2011, it has organized or co-organized more than 200 training and seminar programs for the entire industry, covering areas such as leadership training for officials, knowledge updating for professional and technical personnel, and skills enhancement for technical workers. These programs have reached 26 provinces across China and provided training for over 13,000 participants from organizations including the U.S. Soybean Export Council, China Grain Reserves Corporation (Sinograin), as well as grain and material reserves authorities and

	related enterprises at provincial and municipal levels, thereby fully leveraging its role as an industry training base and contributing to the high-quality development of the sector in China and worldwide. In addition, the university has established a long-term partnership with the United Nations World Food Programme (WFP) and has co-hosted the International Symposium on Post-harvest Loss Reduction for five consecutive years, inviting experts and scholars from China and abroad to share experience and technologies in post-harvest loss reduction. These events have received positive feedback from participants from developing countries, and their influence continues to expand. Over the past 18 years, Henan University of Technology has continuously advanced its foreign aid training initiatives, building comprehensive supporting facilities and accumulating extensive experience in program design, training management, and international cooperation, and has developed a distinctive “three-pillar” development model featuring grain and oil food, Chinese martial arts, and construction and transportation.
Training content	I.Main Training Contents and Course Overview 1.Overview of China’s National Conditions This course aims to provide a comprehensive introduction to China’s history, culture, philosophical traditions, and development path since the founding of the People’s Republic of China. Through an overview of historical evolution and cultural heritage, participants will gain a deeper understanding of China’s national conditions and social development trajectory. 2.Theories and Practices of Poverty Reduction with Chinese Characteristics This course systematically explains China’s poverty alleviation strategies, including targeted poverty alleviation policies and industrial development models. Through case studies, it analyzes the global significance of China’s poverty reduction achievements and highlights the institutional advantages of socialism with Chinese characteristics. 3.China’s Food Security Strategy and Policy Framework This course introduces China’s food security system and policy framework, covering production, reserves, circulation, and emergency response mechanisms, and explores governance experience in ensuring food security. 4.Development Status and Trends of the Grain and Oil Processing Industry This course reviews the development history, industrial structure, and future trends of China’s grain and oil processing industry, with a focus on transformation, upgrading, and technological innovation. 5.Quality Control of Raw Materials and Standards System This course presents quality inspection methods for raw materials, quality control systems, and the development of national standards, enhancing participants’ understanding of quality management. 6.Key Processing Technologies for Grains (Rice, Wheat, and Maize) This course focuses on major grain varieties and explains key processing technologies and procedures, including cleaning, dehushing, milling, and deep processing. 7.Edible Oil Processing and Refining Technologies This course introduces oilseed pretreatment, pressing and extraction processes, oil refining techniques, and quality control methods. 8.Comprehensive Utilization of By-products in Grain and Oil Processing This course explores value-added utilization of by-products such as rice bran and wheat bran, improving resource efficiency and industrial value. 9. Food Safety Management and Traceability Systems This course systematically introduces food safety supervision systems, quality control methods such as HACCP, and full-process traceability mechanisms. 10.Nutrition and Health of Grain and Oil Foods This course analyzes the nutritional components of grain and oil foods and their impacts on human health, and discusses the development of functional foods. 11.Grain and Oil Processing Equipment and Intelligent Technologies This course presents modern processing equipment and the application of automation and intelligent technologies in production to improve efficiency and product quality. 12.Grain Storage and Logistics Management Technologies This course covers grain storage technologies, warehouse management, and modern logistics systems to reduce losses and improve supply chain efficiency. 13. Industrial Chain Development and Enterprise Management in the Grain and Oil Sector

This course analyzes the structure of the grain and oil industry chain and introduces enterprise management practices, marketing strategies, and brand development.

14. Case Studies of Industrial Parks and Leading Enterprises in China (Including Field Visits)
Through case studies and site visits, this course enables participants to gain firsthand knowledge of the operational models and technological levels of Chinese grain and oil enterprises.

15. Thematic Seminars and Experience Exchange
This session provides a platform for in-depth discussions on key issues in grain and oil processing technologies and industrial development, facilitating experience sharing and promoting mutual understanding and cooperation among participants.
Note: The course schedule may be adjusted based on actual circumstances.

II. Field Visit Arrangements
Field visits are proposed to laboratories, engineering training centers, and research platforms at Henan University of Technology to provide participants with insights into key grain and oil processing technologies and the transformation of research achievements. In addition, leveraging Henan Province's strengths in the grain industry, visits will be arranged to leading grain and oil processing enterprises, modern grain storage and logistics bases, and industrial parks for on-site learning. Participants will gain a practical understanding of raw material handling, processing operations, quality control, and storage and logistics systems. Exchanges with technical experts and management personnel will also be organized to facilitate in-depth discussions on technologies and industrial development in the grain and oil sector.
Note: The locations of field visits may be adjusted based on actual circumstances.

III. Profile of Lecturers

1. Zhao Paifeng, Professor
He has long been engaged in research on China's national conditions and culture, the development of Party history, rural revitalization, and anti-poverty theories. He has repeatedly delivered lectures on national conditions and ideological education in foreign aid training programs. He is skilled at interpreting China's development path and poverty reduction practices from an accessible and international perspective. With extensive teaching experience, he is well suited for courses on China's national conditions and anti-poverty theories.

2. Li Dongsun, Professor
A leading expert in grain industry economics, his research focuses on national food security strategies, food policy systems, grain reserve regulation, and emergency supply mechanisms, as well as macroeconomic studies of the grain and oil industry. He has participated in the formulation of multiple provincial-level food policy projects and is familiar with both domestic and international food governance practices. He is well suited for courses on food security strategies and policies.

3. Wang Dianxuan, Second-Tier Professor, PhD Supervisor, Director of the Standardization and Quality Inspection Center
He is a member of the National Technical Committee for Grain and Oil Standardization. His research focuses on grain storage safety, quality inspection of raw grain and oil materials, the development of national grain and oil standards systems, pest control, and quality management. With strong industry credentials, he is well suited for courses on raw material quality control, standard systems, and fundamental grain storage.

4. Chen Zhicheng, Professor, PhD Supervisor
A key expert in the field of grain processing in China, his research focuses on process optimization for cleaning, dehulling, milling, and deep processing of rice, wheat, and corn. He is highly proficient in staple food industrial processing technologies and has long been engaged in practical technical training and enterprise technical support. He is well suited for courses on key grain and oil processing technologies.

5. Liu Yulan, Professor
A core expert in the field of oils and fats, she specializes in oilseed pretreatment, pressing and extraction processes, edible oil refining and purification, and quality and safety control of oils. She is familiar with the full-chain production technology of oils and closely aligns with practical industry needs. She is well suited for courses on edible oil processing and refining technologies.

6. Chen Fusheng, Professor, PhD Supervisor, Core Expert of the National Engineering

	Research Center for Wheat and Corn Deep Processing His research focuses on the high-value utilization of grain and oil by-products such as rice bran, wheat bran, and oil residues. He also specializes in the analysis of nutritional components of grain and oil, the development of functional grain-based foods, and their health applications. He is well suited for courses on by-product utilization, nutrition, and health. 7. Bai Yanhong, Second-Tier Professor, PhD Supervisor She specializes in the development of food safety regulatory systems, HACCP quality control standards, and full-process traceability systems for grain and oil products. She is a key member of the Henan Provincial Food Safety Expert Database. She is well suited for courses on food safety management and quality traceability. 8. Li Yongxiang, Professor A key academic in grain and oil equipment, he has long been engaged in the research and development of modern grain and oil processing equipment, production line automation upgrades, and the application of intelligent sensing and digital technologies in grain processing. He is experienced in practical teaching of intelligent technologies and is well suited for courses on grain processing equipment and intelligent technologies. 9. Zhang Yurong, Professor A core member of the Engineering Research Center for Grain Storage and Safety (Ministry of Education) and a scientist in the wheat storage position of the National Modern Agricultural Industry Technology System. Her research focuses on green and ecological grain storage, low-temperature storage management, post-harvest quality preservation, and loss reduction. She has strong practical teaching capabilities and is well suited for courses on grain storage technologies. 10. Li Fengting, Professor, PhD Supervisor A senior expert in the field of grain logistics, he teaches topics including modern grain and oil logistics systems, supply chain optimization, loss reduction and efficiency improvement in storage and logistics, and industrial chain operation management. He is the leader of a national first-class logistics course and is well suited for courses on grain logistics management, industrial chain operations, and enterprise case studies.
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