UFV ONLINE COURSES IN FOREIGN LANGUAGES

TERM: 2026-2

Since 2020, UFV has offered **free** online courses taught in foreign languages for students enrolled at other educational institutions and for degree holders. In the second semester of 2026, UFV will offer a total of 15 courses in various fields. This call outlines the requirements and procedures necessary for course enrollment.

1. Eligibility

To apply, you must fall into one of the following two categories:

- **Academic Mobility** - Candidates who are currently enrolled as students at other higher education institutions.
- **Degree Holder** - Candidates who already hold an undergraduate or bachelor's degree.

2. Application process

- Applications will be accepted **exclusively via an online form**, available at the following link: https://forms.gle/WCh1oFWknSaA1cmW6.
- The application **deadline is on May 31 at 8 a.m. (BRT)**.
- Applications will be evaluated by the course coordinators, considering the *curriculum vitae* and academic transcript.
- Approved students will receive access information to UFV systems via email by August 10th.
- **Classes will take place between August 10th and December 4th, 2026**.

3. Required documents

To proceed with the application, the candidate must have all the documents listed below.

- Copy of National Identity Card (**passport** preferred for foreign applicants);
- Copy of **birth or marriage certificate with parent names** (if you do not have a document containing this information, **fill the Declaration of Personal Information document and stamp it at the Notary Office**);

- Nomination letter - **only** for Academic Mobility candidates - **"Self-nominated" candidates are not accepted for academic mobility**;
- Proof of current enrollment - **only** for Academic Mobility candidates - **The document must have been issued within the last 60 days**.
- Copy of the **Undergraduate/Bachelor Diploma** (if you have a Bachelor's degree);
- Copy of the **Undergraduate/Bachelor Academic Transcript**;
- Copy of the **Master's Diploma** (if you have a Master's degree);
- Copy of the Master's **Academic Transcript** (if you have a Master's degree);
- Copy of the **Doctoral Diploma** (if you have a Doctoral degree);
- Copy of the Doctoral **Academic Transcript** (if you have a Doctoral degree);
- Copy of **CPF** (**mandatory** for Brazilian citizens; optional for other nationalities);
- Copy of **Voter Registration Card** (for Brazilians **only**);
- Copy of **Military Document** (for Brazilian men **only**);
- Face photo - recent photo, 3x4 format, with light background.

Only documents in English or Spanish will be accepted without translation. For other languages, translation is required.

4. Other important information

The program does not confer a degree. Students who complete courses will receive an official transcript of records. An official transcript for completed courses may allow the credits to be reused later in Master's or PhD programs at UFV.

The selected courses must be related to your area of expertise.

5. Available online courses

Code	Course name	Lectures	E-mail
BIO 610	Cell Biology	Carolina Gonçalves Santos	cgsbio@ufv.br
CIV 643	Aquatic ecotoxicology	Ann Mounteer	ann@ufv.br
CIV 665	Eco-efficient Construction and Building Materials	José Maria Franco de Carvalho	josemaria.carvalho@ufv.br
CIV 670	Introduction To Innovation And Technological Entrepreneurship In Engineering	José Maria Franco de Carvalho	josemaria.carvalho@ufv.br
ENG 688	Anaerobic Digestion Of Wastes	André Pereira Rosa	andrerosa@ufv.br
FIP 602	Plant Disease Epidemiology	Emerson M. Del Ponte	delponte@ufv.br
FIP 300	Plant Pathology I	Eduardo S. G. Mizubuti	mizubuti@ufv.br
FIT 679	Biotechnology Applied To Plant Breeding	Guilherme da Silva Pereira	g.pereira@ufv.br
QUI 721	Advanced Inorganic Chemistry II	Márcio José da Silva	silvamj2003@ufv.br
SOL 627	International Soil Classification Systems	Jose Joao Lelis Leal de Souza	jjlelis@ufv.br
SOL 655	Environmental Geochemistry	Isabela Cristina Filardi Vasques	isabela.filardi@ufv.br
SOL 735	Geosystems, Landscapes And Land Uses In Brazil And West Africa; Convergences And Scenarios	Carlos Ernesto Gonçalves Reynaud Schaefer	reyschaefer@yahoo.com.br; carlos.schaefer@ufv.br
TAL 706	Food Carbohydrates And Bioactive Compounds	Frederico Barros	fredbarros@ufv.br
VET 750	Foodborne Pathogens And Diseases	Luis Augusto Nero	nero@ufv.br
ZOO 762	Genomics Applied To Animal Breeding	Renata Veroneze	renata.veroneze@ufv.br

6. Course timetable (BRT)

REMOTE COURSES 2026-2 (GMT-3)					
	Monday	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
8:00h		SOL 655	CIV 665	CIV 670	
9:00h	SOL 627	SOL 655	CIV 665	CIV 643	
		SOL 735		CIV 670	
10:00h	FIT 679	BIO 610	CIV 665	BIO 610	ENG 688
		FIT 679	SOL 627	CIV 643	
	SOL 627	SOL 735	SOL 655	TAL 706	
11:00h	FIT 679	BIO 610	CIV 665	BIO 610	ENG 688
	SOL 627	FIT 679	SOL 627	CIV 643	
		SOL 735	SOL 655	TAL 706	
12:00h			SOL 655		ENG 688
13:00h					
14:00h	FIP 300		FIP 602	ZOO 762	
	QUI 721		QUI 721		
	ZOO 762				
15:00h	FIP 300		FIP 602	ZOO 762	
	QUI 721		QUI 721		
	ZOO 762				
16:00h			FIP 602		
17:00h			FIP 602		

7. Course Content

Code / Course Name	Content
BIO 610 Cell Biology	1. Characteristics of eukaryotic cell 2. Membranes 3. Mitochondrion 4. Chloroplast 5. Compartments and protein sorting 6. Nucleus 7. Cell cycle 8. Cytoskeleton
CIV 643 Aquatic Toxicology	1. Introduction to aquatic ecotoxicology, principle applications and pertinent legislation. 2. Main classes of organic and inorganic aquatic pollutants. 3. Dynamics of pollutants in aquatic environments, abiotic and abiotic processes. 4. Bioavailability, biotransformation and bioaccumulation of organic and inorganic pollutants. 5. Physiological, biochemical and histological responses at organism, population and community levels. 6. Laboratory evaluation of acute and chronic aquatic toxicity and quantification of responses (LCx, NOEC, LOEC). 7. Field studies: model ecosystems, bioindicators and biomarkers. 8. Aquatic toxicity and ecological risk assessment.
CIV 665 Eco-efficient Construction and Building Materials	1. Plant stress responses. 2. Metabolic adjustments and antioxidant metabolism. 3. Light stress and thermal stress. 4. Water stress and salinity. 5. Nutritional stress and resistance to trace metals. 6. Environmental pollution stress.
CIV 670 Introduction to Innovation and Technological Entrepreneurship in Engineering	1. Introduction 2. Technology Entrepreneurship in Engineering 3. Considerations on Viability 4. Design and Testing af Sustainable Materials and Products 5. Start-up Exploration and Incubation
ENG 688 Anaerobic Digestion of Wastes	1. Fundamentals of anaerobic digestion; 2. Biomass in anaerobic systems; 3. Anaerobic technologies for liquid effluents and solid waste treatment; 4. Byproducts of anaerobic digestion and resource utilization.
FIP 300 Plant Pathology I	1. Concepts, Importance, and symptomatology of plant diseases. 2. Etiology. 3. Mycology, phytopathogenic fungi, and fungal diseases. 4. Epidemiology. Variability of phytopathogens. 5. Plant-pathogen interaction. 6. General principles and practices for plant disease control. 7. Fungicides.

Code / Course Name	Content
FIP 602 Plant Disease Epidemiology	1. History and concepts in Botanical Epidemiology. 2. Plant disease assessment and quantification. 3. Temporal dynamics and analysis of epidemics. 4. Pathogen dispersal, disease gradients and patterns. 5. Yield loss assessment. 6. Risk assessment and disease forecasting
FIT 679 Biotechnology Applied to Plant Breeding	1. Introduction to biotechnology 2. Identification of molecular markers 3. Application of molecular markers 4. Gene discovery and validation 5. Transgene and gene editing 6. Molecular breeding
QUI 721 Advanced Inorganic Chemistry II	1. Group theory. 2. Characterization of coordination compounds. 3. Mechanisms of inorganic reactions. 4. Catalysis.
SOL 627 International Systems of Soil Classification	1. Soil description. 2. World Reference base for soil resources. 3. Soil Taxonomy.
SOL 655 Environmental Geochemistry	1. Atomic nucleus and chemical elements origin. 2. Geochemical abundance of chemical elements. 3. Thermodynamics principles applied to natural systems. 4. Lithogeochemistry. 5. Surface geochemistry. 6. Chemical equilibria and interaction of the main heavy metals in the soil. 7. Main global biogeochemical cycles. 8. Eutrophication and water and soil contamination. 9. Heavy metals as pollutants and nutrients.
SOL 735 Geosystems, landscapes and land uses in Brazil and West Africa: convergences and scenarios	1. Geosystems in Brazil and West Africa. 2. Agriculture, Land Use, and Food Production: The Great Plant Globalization. 3. Historical and Social connections Brazil – West Africa. 4. A big river with interconnected margins: Brazil and West Africa.
TAL 706 Food Carbohydrates and Bioactive Compounds	1. Monosaccharides; 2. Carbohydrate reactions; 3. Starch; 4. Carbohydrate nutrition and dietary fiber; 5. Bioactive compounds; 6. The protective effect of foods containing bioactive compounds on chronic noncommunicable diseases.
VET 750 Foodborne Pathogens and Diseases	1. Epidemiology of foodborne diseases; 2. Characterization of foodborne pathogens and diseases; 3. Detection and enumeration of foodborne pathogens; 4. Impacts of foodborne diseases; 5. Prevention of foodborne diseases; 6. Trends in food safety.

Code / Course Name	Content
ZOO 762 Genomics applied to animal breeding	SNP markers and linkage disequilibrium, genotype quality control, genotype imputation, training and validation populations, prediction accuracy, bias and dispersion, relationship matrices, RRBLUP, GBLUP, ssGLUP, genome wide association, Bayesian methods for genomic prediction and association.