

*To ensure the highest quality and security standards, CEF-UDIMA continues to conduct examinations in person. With DocuWare, the internationally coordinated examination process has been seamlessly digitized and sustainably optimized.*



**Carlos A. Mourelo Romero, Head of IT,  
CEF.-UDIMA, Collado Villalba (Madrid),  
has modernized the examination process with  
DocuWare:**



“As a digital education institution, efficient and secure operations are strategically essential for us. With DocuWare, we have not only significantly accelerated our examination process and reduced costs, but also sustainably enhanced transparency, compliance, and overall process quality.”



- Location:** Spain
- Industry:** Education
- Deployment:** Cloud
- Department:** Examinations
- Integration:** Learning Management System “Moodle”



**CEF.-UDIMA is one of Spain's leading private education groups, offering online-based programs ranging from professional certifications and specialized continuing education to accredited university degrees. With DocuWare, the group digitized its highly sensitive on-site examination process, meeting the highest standards in examination confidentiality, data protection, and compliance.**

To safeguard the credibility, integrity, and reputation of its academic qualifications, CEF.-UDIMA continues to conduct examinations in person while also teaching fully online. Examination confidentiality and the seamless protection of exam documents throughout the entire process are of paramount importance. Prior to digitization, however, the procedure involved significant logistical and administrative effort. Exams were personalized and printed in Madrid for each individual student, sent by registered mail to more than 30 examination centers, and after completion returned in sealed security boxes before being distributed to the responsible professors for grading.

The multiple stages each exam had to pass through conflicted with the desired level of security and made the process vulnerable to

organizational ambiguities and transport delays. This regularly resulted in extended grading times, affecting both student satisfaction and the timely fulfillment of regulatory requirements. Assigning thousands of exam papers to the respective graders was also highly labor-intensive, particularly when shipments arrived at different times and transparency first had to be established regarding which documents had been received and which were still pending.

#### **Digitized Examination Process with QR Codes**

Today, the examination process is largely digitally mapped with DocuWare. Exam documents are still centrally prepared in Madrid, now printed with individualized QR codes containing all relevant information about the respective exam and student, and then sent to the examination centers. After the examination, completed papers are scanned directly on-site and transmitted to DocuWare. The system automatically reads the QR codes, archives the documents in a revision-proof manner, and synchronizes them with the Moodle learning management system. As a result, exams are immediately available in the familiar virtual work environment of the responsible professors, allowing grading to be completed digitally. More than 15 administrative staff members and 900 lecturers now work with

*"Instead of waiting for physical documents to arrive, professors now have immediate access to completed exams and can grade them promptly and digitally."*

*"Our students benefit as well: their exams are now part of their virtual classroom. Results are available more quickly, and grading is fully transparent."*

DocuWare. Per examination cycle, approximately 16,000 exams totalling 180,000 pages are processed digitally.

**Faster, More Cost-Efficient, and Tamper-Proof**

The benefits of using DocuWare at CEF.-UDIMA are multifaceted. Electronic transmission of exam documents within minutes has eliminated a large portion of former transportation and logistics costs. At the same time, processing times have been significantly reduced, and regulatory grading deadlines are reliably met. Security levels have also increased substantially. Documents are electronically signed immediately upon scanning and archived in a tamper-proof, revision-secure manner. Since papers no longer pass physically through multiple hands, the risk of loss has been virtually eliminated. In addition, DocuWare ensures clearly regulated access control and reliably protects sensitive examination data against unauthorized access. In the long term, the most significant advantage is strategic: the full digitization of the examination

process strengthens CEF.-UDIMA's positioning as a modern, consistently digital education provider. Both lecturers and students benefit from direct digital access to examinations - reinforcing the institution's reputation as a leading online education group in the Spanish-speaking world.

*"Each exam is electronically signed immediately after scanning and forwarded directly to the responsible grading authority. This makes manipulation virtually impossible."*



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