

TIMS Data Validation Checks

This document covers some of the data validation checks that should be implemented for the inputs in the TIMS systems databases. NOTE: None of the fields outlined in this document should accept negative numbers.

Contact Information

- NAME fields should be generous in the number of characters a user can input (30) but strict in the use of only letters, accented letters, and hyphens.
- Phone fields referring to the storage of a phone number should only accept 10 numbers and have adjacent fields for country codes or extensions if applicable.
- ROLE fields should be limited to instructor, student, client, and the administrator.

Courses

- Capacities should have a MIN-MAX restriction for number of students.
- DATE should be restricted to a length of 28 days, calculated from START and END dates.
- Instructor names should be checked for integrity with the instructor data from general contact information.
- Course names should have the same restrictions as the NAME fields of contacts with the allowance of numbers for class level.
- TIME fields are limited to a predetermined set of hours and cannot exceed 24:59 or 11:59pm.

Grading

- ASSIGNMENT fields are validated in the same way as course names.
- DUE and SUBMISSION date fields are validated with the combined restrictions of course TIME and DATE.
- GRADE fields should accept numbers only and be represented as percents.