

# COURSE GUIDE – short form

Academic year 2021-2022

|                          |                                      |                       |    |               |    |             |             |                         |   |
|--------------------------|--------------------------------------|-----------------------|----|---------------|----|-------------|-------------|-------------------------|---|
| Course name <sup>1</sup> | MANAGEMENT INFORMATIONAL SYSTEMS (2) |                       |    |               |    | Course code | SITM IA 114 |                         |   |
| Course type <sup>2</sup> | DS                                   | Category <sup>3</sup> | DO | Year of study | 1M | Semester    | 2           | Number of credit points | 5 |

|                |                                            |                                                    |    |   |    |   |    |
|----------------|--------------------------------------------|----------------------------------------------------|----|---|----|---|----|
| Faculty        | Materials Science and Engineering          | Number of teaching and learning hours <sup>4</sup> |    |   |    |   |    |
| Field          | Mechanical Engineering                     | Total                                              | L  | T | LB | P | IS |
| Specialization | Industrial Systems for Modern Technologies | 125                                                | 14 | - | 14 | - | 97 |

|                                                 |             |              |
|-------------------------------------------------|-------------|--------------|
| Pre-requisites from the curriculum <sup>5</sup> | Compulsory  | Not the case |
|                                                 | Recommended | Not the case |

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General objective <sup>6</sup>   | The development of management and marketing activities in the field of designing and use of modern equipment and technologies by knowing the basic elements, of designing of an informational management system, as an essential instrument, in reaching the goals of the leading activity.                                                                                                                              |
| Specific objectives <sup>7</sup> | The competences linked with the management preparation are being developed by adding the capacity of conceiving, optimizing and use of an informational management system.                                                                                                                                                                                                                                               |
| Course description <sup>8</sup>  | Requirements of an informational system; traditional and classic methods of determination of the system requirements; diagnosis of the decisional informational system; types of informational systems; transaction processing systems; systems for informing the leadership; systems for informing the top management; expert systems; elements of communication and negotiation; the method of principled negotiation. |

| Assesment                                |                                                                                                                                               |                  | Schedule <sup>9</sup> | Percentage in the final grade (minimum grade) <sup>10</sup> |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------------|-------------------------------------------------------------|
| A. Final assessment form <sup>11</sup> : | Class tests along the semester                                                                                                                | 0%               |                       | 50% (minimum 5)                                             |
|                                          | Home works                                                                                                                                    | 0%               |                       |                                                             |
|                                          | Other activities                                                                                                                              | 0%               |                       |                                                             |
|                                          | Examination procedures and conditions:<br>Probe 1: closed question; oral examination; 50%<br>Probe 2: closed question; oral examination; 50%. | 100% (minimum 5) | Week 14               |                                                             |
| C. Laboratory                            | Activity during laboratory – open and closed questions, demonstration                                                                         |                  |                       | 50% (minimum 5)                                             |

|                     |                                          |
|---------------------|------------------------------------------|
| Course organizer    | Assoc. Prof. Ph.D. Eng. Gheorghe BĂDĂRĂU |
| Teaching assistants | Assoc. Prof. Ph.D. Eng. Gheorghe BĂDĂRĂU |

<sup>1</sup>Course name from the curriculum

<sup>2</sup>DF – fundamental, DID – in the field, DS – specialty, DC – complementary (from the curriculum)

<sup>3</sup>DI – imposed, DO – optional, DL – facultative (from the curriculum)

<sup>4</sup>Points 3.8, 3.5, 3.6a,b,c, 3.7 from the Course guide – extended form (L-lecture, T-tutorial, LB-laboratory works, P-project, IS-individual study)

<sup>5</sup>According to 4.1 – Pre-requisites - from the Course guide – extended form

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<sup>6</sup> According to 7.1 from the Course guide – extended form

<sup>7</sup> According to 7.2 from the Course guide – extended form

<sup>8</sup> Short description of the course, according to point 8 from the Course guide – extended form

<sup>9</sup> For continuous assessment: weeks 1 – 14, for final assessment – colloquium: week 14, for final assessment-exam: exam period

<sup>10</sup> A minimum grade might be imposed for some assessment stages

<sup>11</sup> Exam or colloquium