USING LEARNING OUTCOMES IN CREDENTIAL EVALUATION: IMPLEMENTED ACTIVITIES AND CHALLANGES AT ANAU

"Recommendations for facilitating the use of learning outcomes in credential evaluation"

25 May 2022

Garegin HAMBARDZUMYAN

Armenian National Agrarian University
Head of International Relations Department,
Associate Professor at Food Safety and Hygiene Department
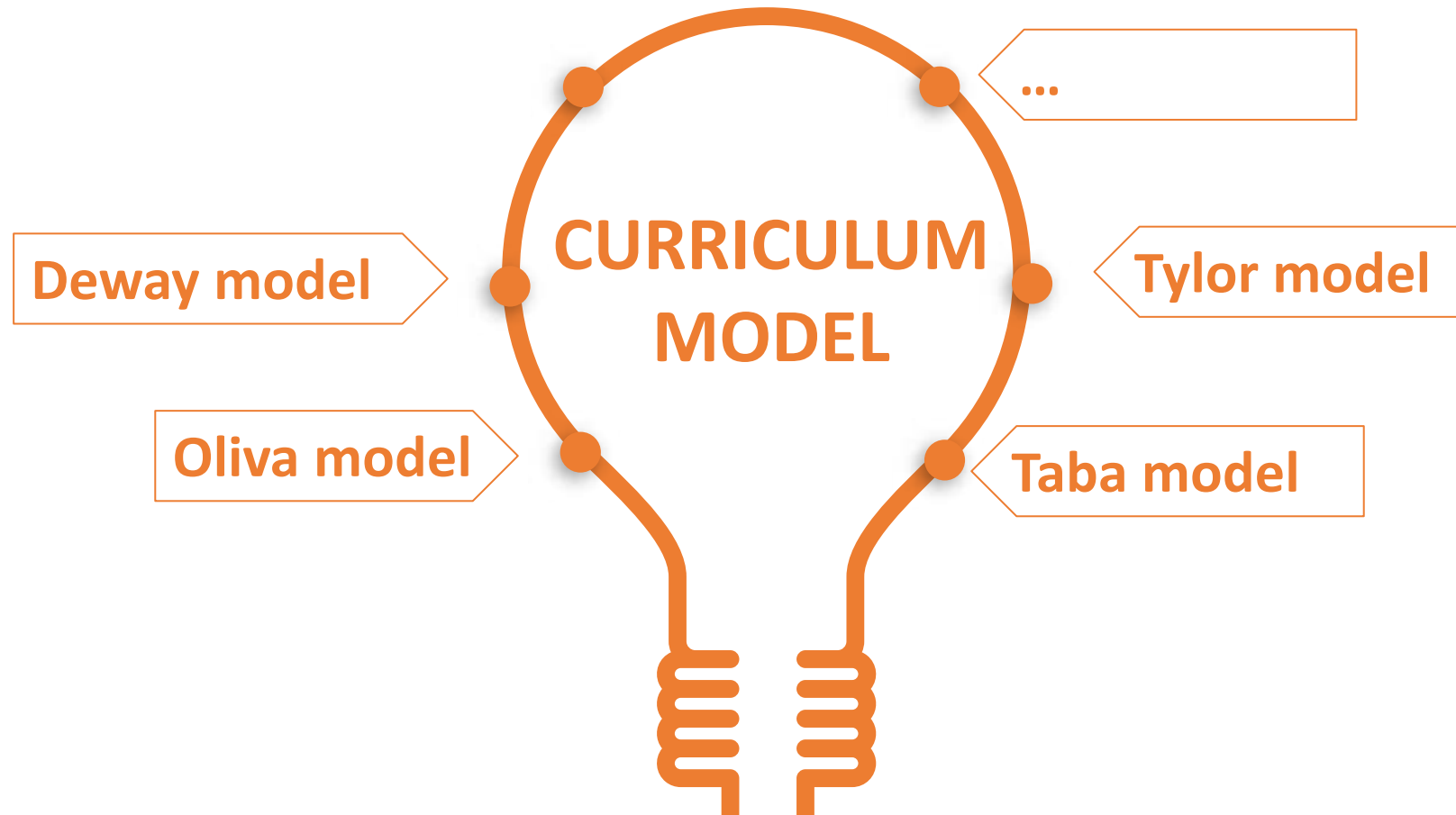
The biggest challenges of determination of LOs in curriculum development

Needs of society
- Literacy
- Vocational skills
- Social order & morality
- Interpersonal skills
- Transmission of values & culture
- Creativity & innovation
- …

Needs of institution
- Short-term education
- Cost effectiveness
- Number of learners
- Reputation
- Easy education management
- Unique educational program
- …

Needs of learners
- Cost effectiveness
- Short-term education
- Cognitive development
- Linguistic development
- Psycho-social development
- Moral/affective development
- …

Needs of employers
- Professional skills and competences
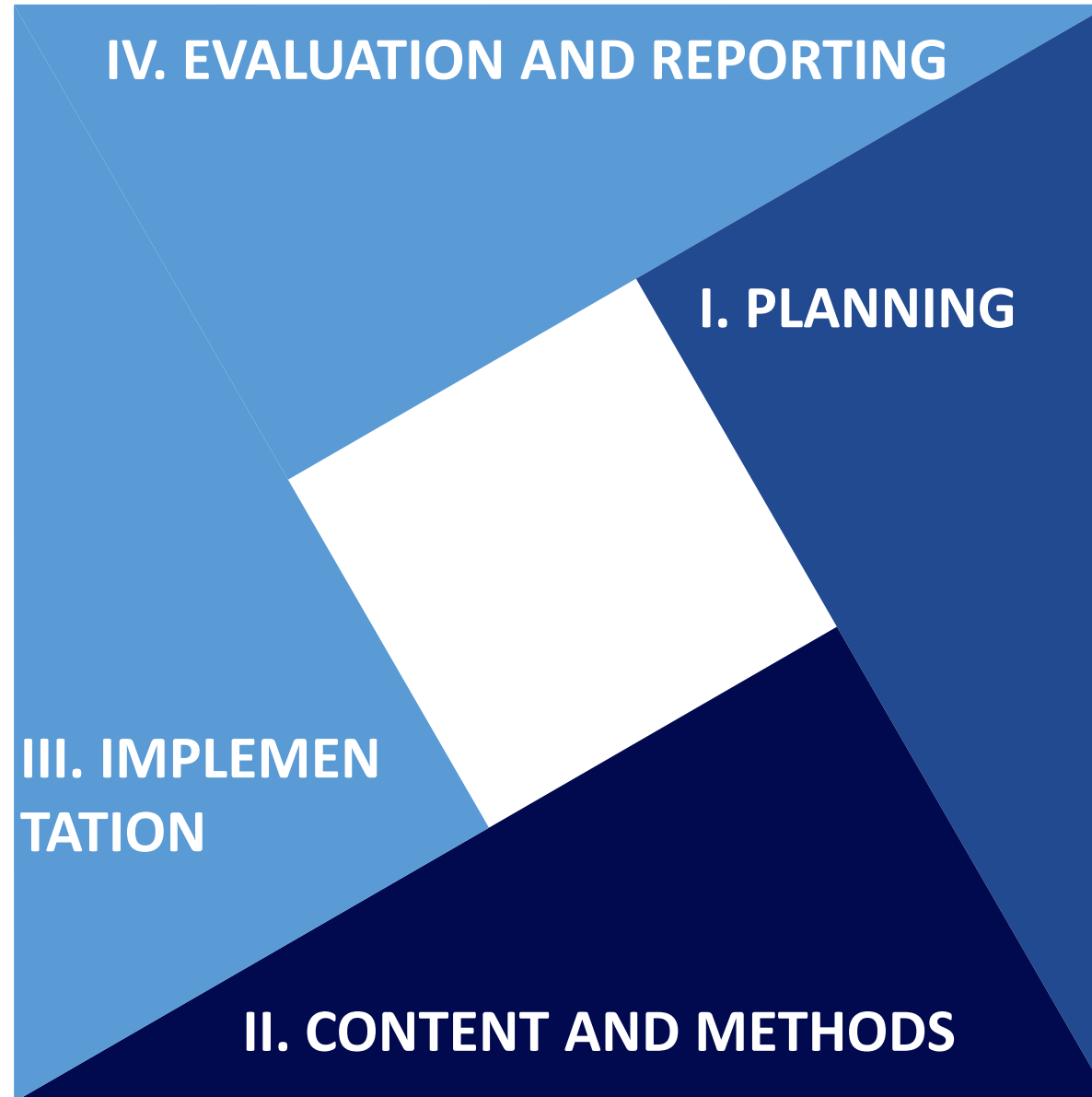- "Work ready" person
- Short-term education
- …

ANAU's experience:

Food Safety Masters' degree (2018-2020)

The phases of curriculum development

IV. EVALUATION AND REPORTING

I. PLANNING

III. IMPLEMENTATION

II. CONTENT AND METHODS

IV. EVALUATION
AND REPORTING

I. PLANNING

III. IMPLEMEN
TATION

II. CONTENT AND METHODS

1. Identify Issue/Problem/Need

2. Form Curriculum Development Team

3. Conduct Needs Assessment and Analysis

Availability curriculum name

only

IV. EVALUATION AND REPORTING

1. Identify Issue/Problem/Need

3. Conduct Needs Assessment and Analysis

I. PLANNING

2. Form Curriculum Development Team

III. IMPLEMENTATION

Formation of future LOs

II. CONTENT AND METHODS

Meetings with stakeholders, employers, field professionals

IV. EVALUATION
AND REPORTING

I. PLANNING

1. Identify Issue/Problem/Need

3. Conduct Needs
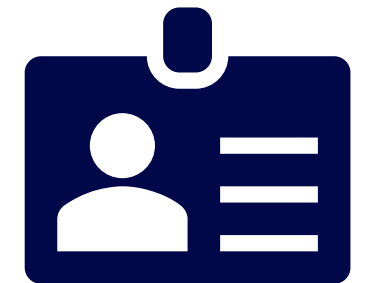Assessment and Analysis

2. Form Curriculum
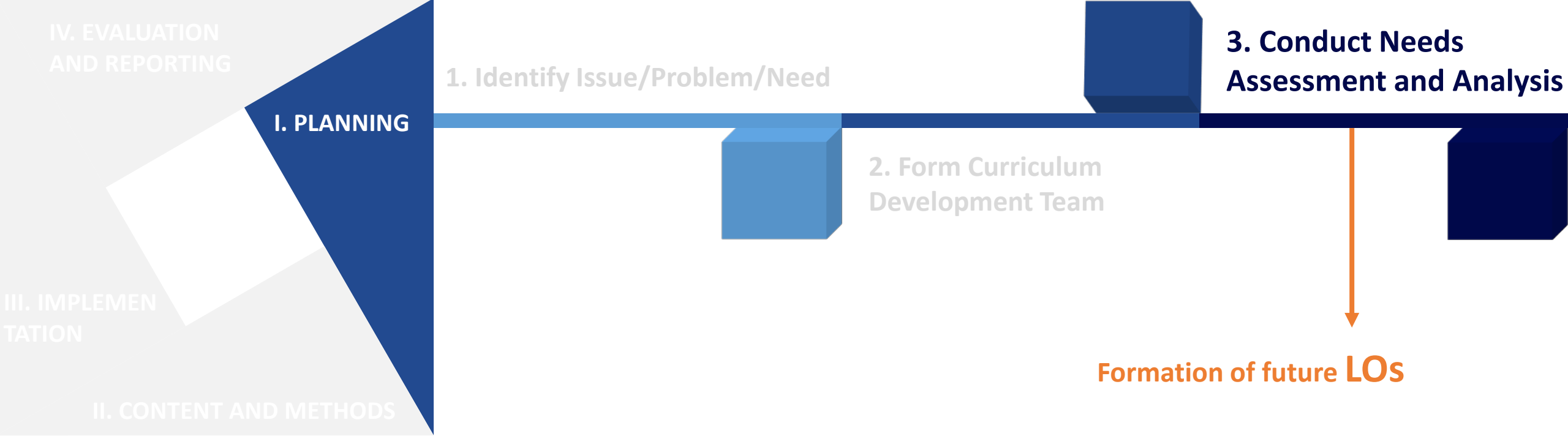Development Team

III. IMPLEMEN
TATION

Formation of future LOs

II. CONTENT AND METHODS

Meetings with stakeholders,
employers, field professionals

Challenges!

- **Employers are always/mostly busy**
- **To get REAL suggestions**
- **…**

IV. EVALUATION AND REPORTING

I. PLANNING

III. IMPLEMENTATION

II. CONTENT AND METHODS

1. State Intended Outcomes and educational objectives

3. Design Experiential Methods

2. Select Content

Determination of LOs
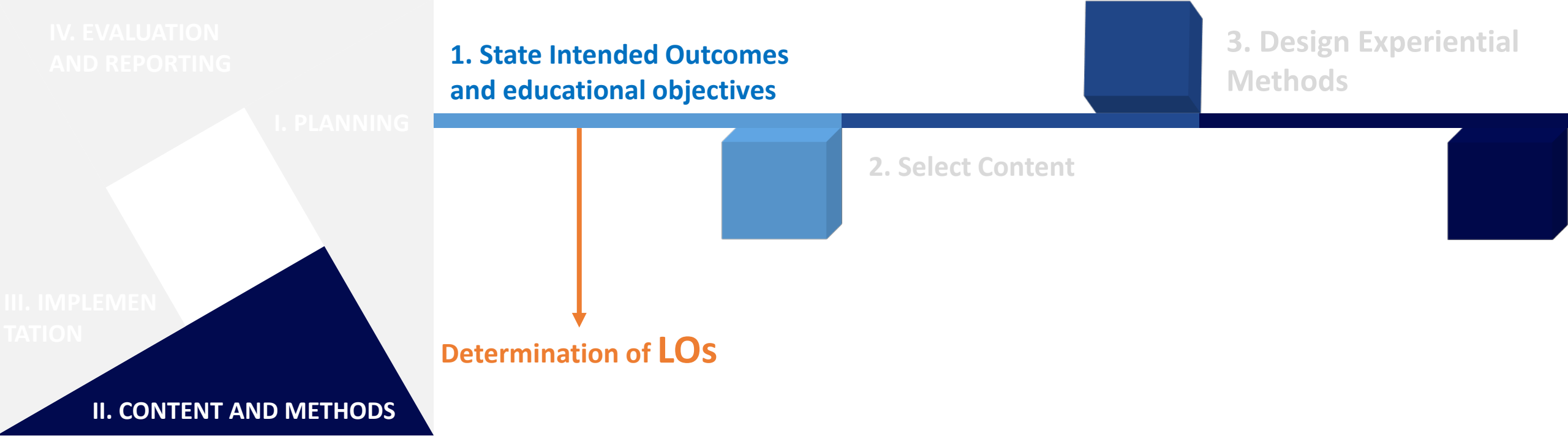
Educational **objectives**

Learning **outcomes**

Educational objectives
…
The main objective of this Master Degree Program is to prepare a specialist, which will have necessary knowledge and capabilities to investigate/inspection of the food quality, calculate and determine the risk assessment/analyze, and based on the national and international food safety managing legislation to make conclusions about future effect on public health.
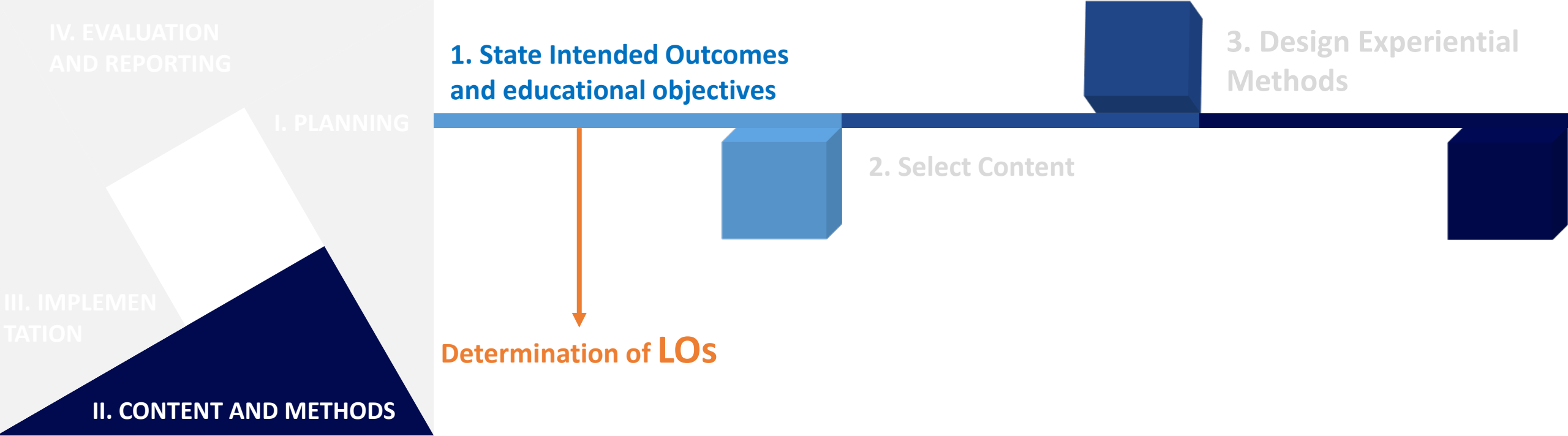…

Learning outcomes
On successful completion of this program a student will be able to:
1. To gain a comprehensive knowledge in the domain of food quality control, food safety and nutritional risk assessment.
2. To obtain an understanding of the nature and importance of the risk analysis in the context of international trade agreements and national obligations to protect health and.
3. …

IV. EVALUATION
AND REPORTING

I. PLANNING

III. IMPLEMEN
TATION

II. CONTENT AND METHODS

1. State Intended Outcomes and educational objectives

3. Design Experiential Methods

2. Select Content

Determination of LOs

Learning outcomes

Challenges!

- **Institution capabilities-demanded LOs EQUILIBRIUM**
- **Formation RIGHT and RECOGNIZABLE LOs**
- **...**

Learning outcomes

On successful completion of this program a student will be able to:

1. To gain a comprehensive knowledge in the domain of food quality control, food safety and nutritional risk assessment.
2. To obtain an understanding of the nature and importance of the risk analysis in the context of international trade agreements and national obligations to protect health and.
3. ...

1. State Intended Outcomes and educational objectives

3. Design Experiential Methods

2. Select Content

II. CONTENT AND METHODS

Content of **modules/subjects**

Module 1

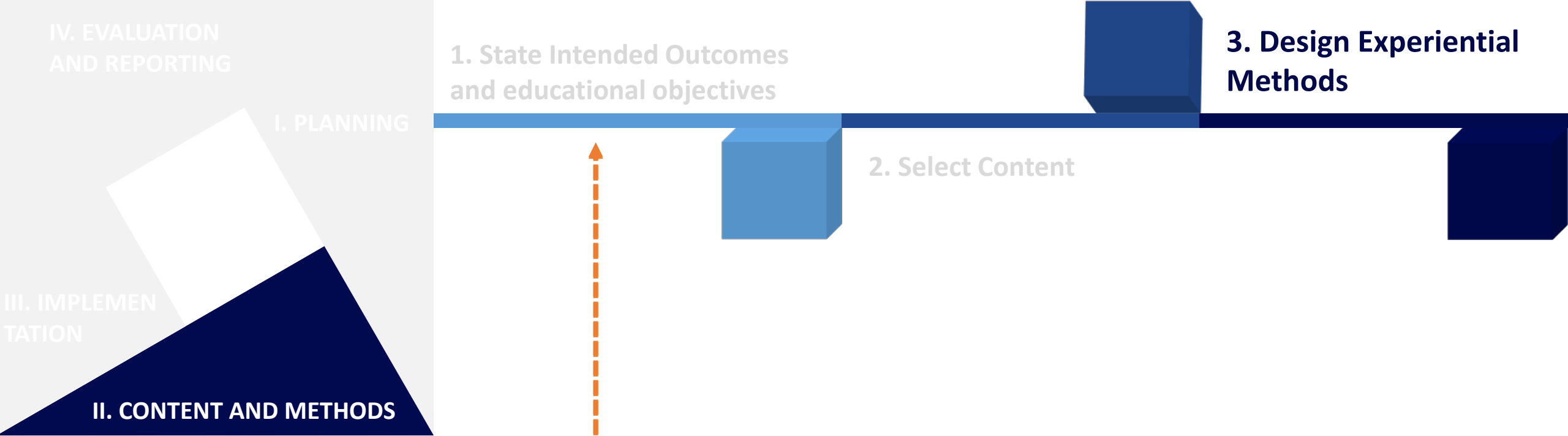Module 2

Module 3

Module 4

IV. EVALUATION
AND REPORTING

1. **Produce Curriculum Product**

3. Recruit and Train Facilitators

I. PLANNING

2. **Test and Revise Curriculum**

4. Implement Curriculum

III. IMPLEMEN TATION

II. CONTENT AND METHODS

IV. EVALUATION AND REPORTING

I. PLANNING

III. IMPLEMENTATION

II. CONTENT AND METHODS

1. Produce Curriculum Product

2. Test and Revise Curriculum

3. Recruit and Train Facilitators

4. Implement Curriculum

Professional **training**

Student-centered methods **training**

IV. EVALUATION AND REPORTING

I. PLANNING

III. IMPLEMENTATION

II. CONTENT AND METHODS

1. Produce Curriculum Product

2. Test and Revise Curriculum

3. Recruit and Train Facilitators

4. Implement Curriculum

Implementation **2020-21**

1. Design Evaluation Strategies

2. Reporting and Securing Resources

ARMENIAN NATIONAL AGRARIAN UNIVERISTY

TITLE: FOOD SAFETY

MASTER DEGREE PROGRAM

PROGRAM DURATION: 1,5 year

PROGRAM STRUCTURE: 90 ECTS

CURRICULUM MAP

Exams are envisaged by the end of each module

year	Sep				Oct				Nov					Dec				Jan					Feb				March					Apr				May				Jun				Jul				Aug				Theory	Exams	Experimental Internship	Industrial Internship	Defence of thesis	Vacation	Total
																											Weeks																												
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52							

(Table body: Year I — Theory 27, Exams 15, Experimental Internship 2, Industrial Internship -, Defence 8, Vacation 52... Year II — 15, -, 2, 2, 4, 23; Totals 42, 15, 4, 2, 12, 75)

Legend:
- Theory (yellow)
- Exams (::)
- X — Experimental Internship
- v — Industrial Internship
- = — Vacation
- II — Defence of Master thesis

LOs should support, not hinder the mobility

Challenges!

- **Looking for the SAME name of module/subject?**
- **Differences between credits of the same LOs**
- **Totally different module/subject**
- **…**

Thank you

Garegin HAMBARDZUMYAN

Armenian National Agrarian University