Energy Education in Lao PDR DEEM Training 16-18 October 2017

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Contents

- Lao higher education
- Energy education

- National University of Laos (NUOL), 1996,
- Souphanouvong University (SU), 2003,
- Champasak University (CU), 2004,
- Savanakhet University (SKU), 2009
- University of Health Science (UHS), ?

Souphanouvong University (SU),

- Founded 2003, Luang Prabang
- 6 faculties:
 - 1. Education
 - 2. Economics and Tourism
 - 3. Agriculture and Forest Resources
 - 4. Architecture
 - 5. Engineering
 - ✓ Computer
 - ✓ Electrical

Civil

Renewable energy (2 credits)



13:42 6. Linguistics

Champasak University (CU),

- Founded 2004, Pakse, Champasak prov.
- 6 faculties:
 - 1. Agriculture and Forestry
 - 2. Education
 - 3. Law and Governance
 - 4. Engineering
 - Civil engineering
 - Electrical Engineering
 - Renewable energy (2 credits)
 - Mining engineering
 - 5. Natural science
 - 6. Economics and Management



Savannakhet University (SKU),

- Founded 2009, Savannakhet prov.
- 6 faculties and 1 centre:
 - 1. Agriculture and Environment
 - 2. Business Administration
 - 3. Education
 - 4. Food science
 - 5. Linguistics
 - 6. Natural sciences
 - 7. Information Technology Centre



National University of Laos

- Founded in 1996, merging 11 public higher educational institutions in Vientiane capital
- 12 Faculties:
 - 1. Agriculture
 - 2. Architecture
 - 3. Economics and Business Administration
 - 4. Education
 - 5. Engineering
 - 6. Environmental Sciences
 - 7. Forestry
 - 8. Law and Political sciences
 - 9. Letters
 - 10. Natural Sciences
 - 11. Social Sciences
 - 12. Sport sciences and Physical education





National University of Laos

- Faculty of Natural Sciences:
 - Master Program in Renewable energy
 - Advances in Renewable Energy 3(3,0,0)
 - Materials for Energy Application 3(3,0,0)
 - Solar Photocatalysis 3(3,0,0)
 - Solar Cells & LEDs: Physics and Technology 3(3,0,0)



National University of Laos

Faculty of Engineering:

- Graduate Energy education program:
 - Department of Electrical Engineering
 - Bachelor of Hydro-power Energies Engineering



Faculty of Engineering: Energy related subjects

Subject name	Program name	Program Degree	Credit points
Renewable energy	Electrical Engineering	Bachelor	2
	Mechanical Engineering (regular)	Bachelor	2
	Mechanical Engineering (continuing)	Bachelor	2
	Environment Engineering & Management (E2M)	Master	2
Energy Conversion	Mechanical Engineering (regular)	Bachelor	2
	Mechanical Engineering (Continuing)	Bachelor	2



Faculty of Engineering: Energy related subjects

Subject name	Program name	Program Degree	Credit points
Power Plant Engineering	Mechanical Engineering (regular)	Bachelor	2
	Mechanical Engineering (continuing)	Bachelor	3
Energy Management	Mechanical Engineering	Bachelor	2
	Industrial Engineering	Bachelor	3
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- Future plan: Master of Engineering (Energy Engineering & Management)
 - 40 credits, including
 - 24 required
 - 12 for thesis
 - 4 elective
 - 20 students per batch
 - Duration: two year (4 semesters)

Energy education in Laos: some conclusion

- Although energy sector is among the prioritized sectors of Lao development programs, but at the same times, energy education has not yet get serious attention
 - Energy education in Lao universities mostly is still on fundamental level,
 - Lacking research activities and facilities (especially advanced one)
 - Lacking both human and materials resources

Thank you