
Why should an engineer study philosophy?

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The authors challenge pros and cons of philosophical education of engineers in order to highlight the dual nature of culture as a phenomenon and the subject of culture, try and understand the role philosophy plays in fostering the culture of mind while educating an engineer, developing his professional and creative skills. The authors have established a solid foundation for promoting philosophical research in technical university and investigated methodological approaches to bringing up an innovative engineer capable of coping with pressing professional, cultural and ethical issues.

Keywords: *philosophy, culture, subjects of culture, innovative engineer, technical sciences, designing, empirical cognition, cognitive science, scientific responsibility, creativity.*

REFERENCES

- [1] Figovskij O. *Znanie — Sila — Knowledge is Power*, 2014, no. 11, pp. 30–36.
- [2] Volkov A. *Znanie — Sila — Knowledge is Power*, 2014, no. 11, pp. 4–12.
- [3] Mal'kova T.P. *Filosofsko-antropologicheskie Issledovaniya. Nauchno-teoreticheskij Zhurnal — Philosophical and Anthropological Studies. Scientific and Theoretical Magazine*, Kursk, 2011, iss. 3–4, pp. 42–57.
- [4] Gorokhov V.G. *Voprosy Filosofii — Philosophical Issues*, 2014, no. 1, pp. 178–183.
- [5] Volkov A.V. *Voprosy Filosofii — Philosophical Issues*, 2014, no. 10, pp. 57–68.
- [6] Dashkevich V.S. *Velikoe Kul'turnoe Odichanie [A Great Draw Back: Cultural Degradation]*. Moscow, Russian CHESS House, 2013, 720 p.
- [7] Kiyosaki R., Lechter Sh. *Rich Dad, Poor Dad* [In Russian: Kijosaki R., Lekter Sh. *Bogatyj Papa, Bednyj Papa*. Moscow, 2010, 400 p.].
- [8] Mal'kova T.P. *Mir Obrazovaniya — Obrazovanie v Mire — The World of Education — Education in the world*, 2013, no. 1 (49), pp. 99–106.
- [9] Palamarchuk O.T. *Izvestiya Akademii Pedagogicheskikh i Social'nykh Nauk — Academy of Pedagogical and Social Sciences Proceedings*, 2011, iss. XV, part 2, pp. 125–127.
- [10] Grigor'ev R. *Znanie-Sila — Knowledge is Power*, 2014, no. 11, p. 37–39.
- [11] Veshnyakovskaya E. *Nauka i Zhizn' — Science and Life*, 2012, no. 9, pp. 15–25.

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