Solving the Lectures Scheduling Problem
by the Combination
of Exchange Procedure and Tabu Search Techniques

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Abstract: The lectures scheduling problem of large-scale size is considered very hard and
cannot be solved by exact deterministic methods. Usually, heuristic procedures are used to
deal with this problem and the one based on the Exchange Procedure proposed by Ferland
is of prospect. In the present work we describe another approach based on Tabu Search
technique and show that the combination of Tabu Search and Exchange Procedure methods
may provide an efficient way for the solution of the problem. Some numerical results are
given for showing the advantage of the combination method in comparison with the Tabu
Search and Exchange Procedure techniques implemented separately.

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